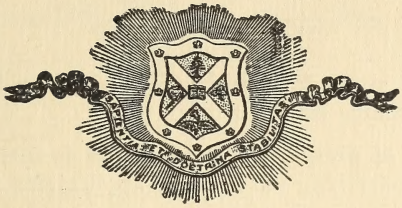
# Queen's University

KINGSTON, CANADA



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# CALENDAR

## OF

# THE FACULTY OF MEDICINE

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SEVENTY-THIRD SESSION

1925-26

The course of study for the degree of M.D., C.M., comprises six sessions of eight months each.

The attention of prospective matriculants is directed to the statement on page 30 concerning the filing of applications for admission.

All announcements and regulations contained in this Calendar apply to the current session only.

The Faculty of Medicine reserves the right to make such changes in the regulations and courses of study at any time as experience may prove desirable.

All requests for information should be addressed to Dr. A. R. B. Williamson, Secretary of the Medical Faculty, Queen's University, Kingston, Ontario.

# Queen's University

## KINGSTON, CANADA

INCORPORATED BY ROYAL CHARTER IN 1841

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# CALENDAR

## OF

# THE FACULTY OF MEDICINE

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## SEVENTY-THIRD SESSION

## 1925-26

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KINGSTON
PRINTED FOR THE UNIVERSITY BY THE JACKSON PRESS
1925

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# CALENDAR

## 1925

### JANUARY

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## 1926

### JANUARY

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### AUGUST

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### SEPTEMBER

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### OCTOBER

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### NOVEMBER

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### DECEMBER

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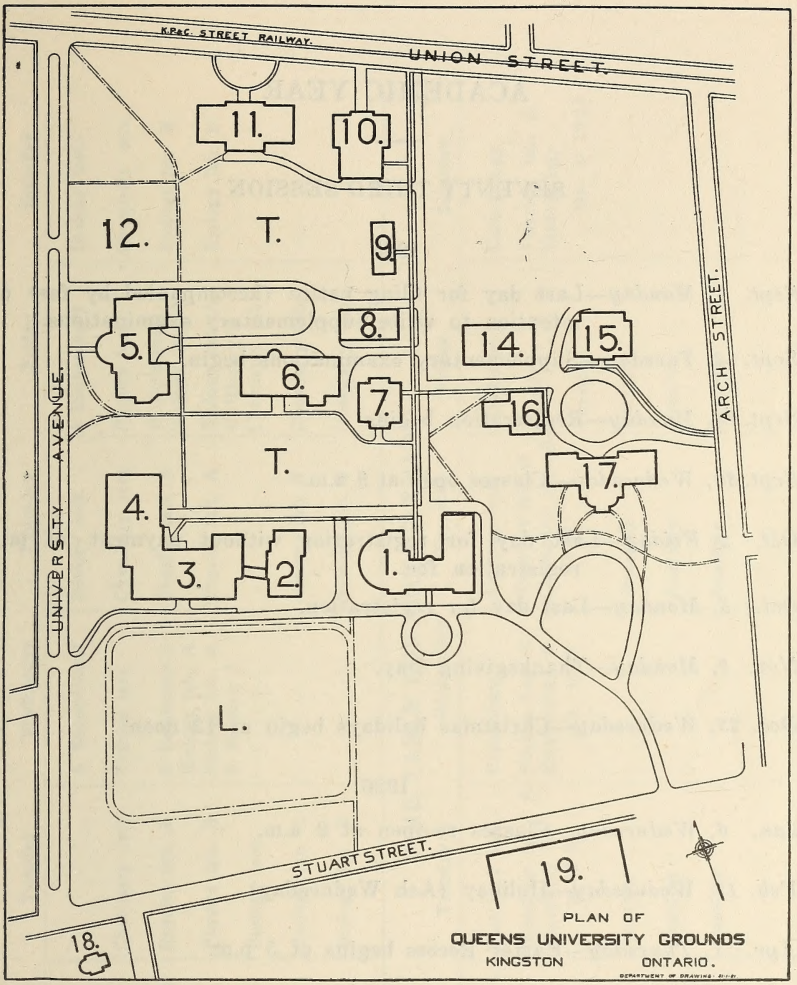


1, Theological Hall, containing on the first floor the Biological Laboratories and the Museum; and on the second floor Convocation Hall. 2, Destroyed. 3, Kingston Hall or New Arts Building. 4, Grant Hall. 5, Ontario Hall (Physics, Geology, Mineralogy). 6, Fleming Hall (Electrical Engineering). 7, Carruthers Hall (Civil Engineering). 8, Mining Laboratory or the Mill. 9, Mechanical Laboratory. 10, Nicol Hall (Metallurgy). 11, Gordon Hall (Chemistry). 12, Douglas Library and Offices of Administration. 14, Gymnasium. 15, Medical Laboratories. 16, Medical Building. 17, Principal's Residence. 18, Observatory. 19, Kingston General Hospital. T, Tennis Courts. L, Small Athletic Field. The main Athletic Field with the George Richardson Memorial Stadium is one block west of University Avenue.

# ACADEMIC YEAR

## SEVENTY-THIRD SESSION

### 1925

*Sept. 7, Monday*—Last day for filing notice (accompanied by fee) of intention to write supplementary examinations.

*Sept. 22, Tuesday*—Supplementary examinations begin.

*Sept. 28, Monday*—Registration begins.

*Sept. 30, Wednesday*—Classes open at 9 a.m.

*Oct. 2, Friday*—Last day for registration without payment of late registration fee.

*Oct. 5, Monday*—Last day for registration.

*Nov. 9, Monday*—Thanksgiving Day.

*Dec. 23, Wednesday*—Christmas holidays begin at 12 noon.

### 1926

*Jan. 6, Wednesday*—Classes re-open at 9 a.m.

*Feb. 17, Wednesday*—Holiday (Ash Wednesday).

*Apr. 1, Thursday*—Easter Recess begins at 5 p.m.

*Apr. 6, Tuesday*—Classes re-open at 9 a.m.

*May 5, Wednesday*—University Convocation for conferring Degrees upon graduates of the Faculties of Arts and Science.

*May 7, Friday*—Classes close at 4 p.m.

*May 10, Monday*—Final examinations begin.

*May 26, Wednesday*—Medical Convocation for conferring degrees and announcing honors.

## TIME TABLE FOR FIRST YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 8-9 | A Economics 1 | | A Economics 1 | Biology lect. | A Economics 1 | Biology lect. |
| 9-10 | Physics lect. | Chemistry lect. | Physics lect. | Chemistry lect. | Physics lect. | Chemistry lect. |
| 10-11 | B Economics 2<br>Biology lab. A | Physics lab. B | B Economics 2<br>Biology lab. A | Physics lab. A | B Economics 2<br>Biology lab. A | Biology lab B |
| 11-12 | Biology lab. A<br>B History 3 | Physics lab. B | Biology lab. A<br>B History 3 | Physics lab. A | Biology lab. A<br>B History 3 | Biology lab. B |
| 1-2 | Chemistry lab | Biology lect. | | | Chemistry lab | |
| 2-3 | Chemistry lab | Biology lab. B | | Biology lab. B | Chemistry lab | |
| 3-4 | Chemistry lab | Biology lab. B | | Biology lab. B | Chemistry lab | |

## TIME TABLE FOR SECOND YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 9-10 | Psychology | Histology lect. | Psychology | Anatomy lect. | Psychology | Embryology |
| 10-11 | Chemistry | Histology lab. A<br>Chemistry lab | Physics Lab. B<br>Embryology A | Histology lab. B<br>Chemistry lab. A | Chemistry | Physics, lab. A<br>Embryology |
| 11-12 | Physics | 10-12 B | lab. 10-12 | 10-12 | Physics | lab. B 10-12 |
| 1-2 | Anatomy | Anatomy | | Anatomy | Anatomy | |
| 2-3 | Anatomy | Anatomy | | Anatomy | Anatomy | |
| 3-4 | Anatomy | Anatomy | | Anatomy | Anatomy | |

## TIME TABLE FOR THIRD YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 9-10 | Anatomy Lect. | Anatomy | Bacteriology | Physiology | Bacteriology | Anatomy |
| 10-11 | Physiology | Anatomy | Anatomy 10-12 B | Anatomy 10_12 A | Physiology | Anatomy |
| 11-12 | Physiological Chemistry | Anatomy | Bacteriology 10-12 A | Bacteriology 10-12 B | Physiological Chemistry | Anatomy |
| 1-2 | Physiology 1-4 B | Bacteriology 1-3 B | Anatomy | Physiology 1-4 A | Bacteriology 1-3 A | |
| 2-3 | Physiological Chemistry 1-4 A | Physiological Chemistry 1-3 A | Anatomy | Physiological Chemistry 1-4 B | Physiological Chemistry 1-3 B | |
| 3-4 | | Histology | Anatomy | | | |

## TIME TABLE FOR FOURTH YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 9-10 | Pathology | Pathology | Clin. Medicine and Clin. Surgery 9-12 | Minor Surgery | Prac. Pathology 9-11 | Pathology |
| 10-11 | Surgery | Clin. Microscopy | | Clin. Medicine | | |
| 11-12 | Mat. Medica | Pharmacology | | Mat. Medica | Pharmacology | |
| 1-2 | Bacteriology A | Pharmacology 1-4 A | App. Anatomy | Bacteriology B | Pharmacology 1-4 B | |
| 2-3 | Bacteriology A | Clin. Microscopy 1-3 B | | Bacteriology B | Clin. Microscopy 1-3 A | |
| 3-4 | Bacteriology B | | | Bacteriology A | | |
| 4-5 | Bacteriology B | | | Bacteriology A | | |

## TIME TABLE FOR FIFTH YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 9-10 | Surgery | Eye, Ear, Nose and Throat | Eye, Ear, Nose and Throat | Surgery | App. Anatomy | Path. Chemistry |
| 10-11 | Surgery | Medicine | Surgery | Medicine | Medicine | Medicine |
| 11-12 | Pathology | Medicine | Surgery | Medicine | Surgery | Conference |
| 1-2 | Pediatrics | Clinical Pediatrics | Clinical Pediatrics | Obstetrics | Obstetrics | |
| 2-3 | | Pathology | Psychology | Prac. Pathology | | |
| 3-4 | Rockwood | App. Anatomy | Therapeutics | Prac. Pathology | | |
| 4-5 | Gynaecology | Gynaecology | | G. U. Clinic 4.30 | | |

## TIME TABLE FOR SIXTH YEAR

| Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 9-10 | Eye, Ear, Nose and Throat | Hist. Medicine | Gynaecology | Eye, Ear, Nose and Throat | App. Anatomy | Clin. Medicine |
| 10-11 | Clinical Medicine | Clinical Surgery | Clinical Medicine | Clinical Surgery | Clinical Surgery | Clinical Medicine |
| 11-12 | Clinical Medicine | Clinical Surgery | Clinical Medicine | Pediatrics | Clinical Surgery | Conference |
| 1-2 | Obstetrics | Obstetrics | Jurisprudence | (Rockwood) | Pediatrics | |
| 2-3 | Pathology A 2-4 | Pathology | San. Science | Psychiatry | Clin. Medicine (Mowat) 2-4 | |
| 3-4 | X-Ray B 2-4 | Surgery | Pathology B 3-5 | Clin. Medicine | Clin. Medicine and | |
| 4-5 | App. Anatomy | San. Science | X-Ray A 3-5 | Gynaecology | Clin. Surgery K. P. 2-4 | |

## SUPPLEMENTAL EXAMINATIONS

September, 1925

*Written Examinations*

| | 9 a.m. | 2 p.m. |
|---|---|---|
| *Tuesday, Sept. 22* | Chemistry (1st)<br>Economics (2nd)<br>Eye, Ear, Nose and Throat (5th) | English (1st)<br>Chemistry (2nd)<br>Pediatrics (5th) |
| *Wednesday, Sept.23* | Biology (1st)<br>History (2nd)<br>Surgery (4th and 5th) | French or German (1st)<br>Physics (2nd)<br>Pathology (4th and 5th) |
| *Thursday, Sept. 24* | Physics (1st)<br>Chemistry (3rd)<br>Pharmacology (4th)<br>Gynaecology (5th) | Embryology (2nd)<br>Physiology (3rd)<br>Medicine (4th and 5th) |
| *Friday, Sept. 25* | Histology (2nd)<br>Bacteriology (3rd and 4th)<br>Obstetrics (5th) | Anatomy (2nd and 3rd)<br>Applied Anatomy (4tn and 5th) |

Clinical, oral and practical examinations are arranged by the Professors concerned.

## MEDICAL EXAMINATIONS

May, 1926

*Written Examinations*

| | 9 a.m. | 2 p.m. |
|---|---|---|
| *Monday, May 10* | Biology (1st)<br>Chemistry (2nd)<br>Obstetrics (6th) | Anatomy (3rd)<br>Pathology (4th) |
| *Tuesday, May 11* | Medicine (5th and 6th) | Physics (2nd)<br>Surgery (4th) |
| *Wednesday, May 12* | Chemistry (1st)<br>Physiology (3rd) | Applied Anatomy (5th and 6th |
| *Thursday, May 13* | Histology (2nd)<br>Applied Anatomy (4th) | Bacteriology (3rd)<br>Gynaecology (5th and 6th) |
| *Friday, May 14* | Physics (1st)<br>Eye, Ear, Nose and Throat (5th and 6th) | Embryology (2nd)<br>Medicine (4th) |
| *Saturday, May 15* | Chemistry (3rd)<br>Pathology (5th and 6th) | |
| *Monday, May 17* | Anatomy (2nd)<br>Histology (3rd)<br>Surgery (5th and 6th) | Pharmacology (4th)<br>Jurisprudence 6th) |
| *Tuesday, May 18* | Pediatrics (5th)<br>Psychiatry (6th) | Bacteriology (4th)<br>San. Science (6th) |
| *Wedensday, May 19* | Obstetrics (5th)<br>Pediatrics (6th) | |

Clinical, oral and practical examinations are arranged by the Professors concerned.

# HISTORY OF THE UNIVERSITY

Queen's University owes its origin to the desire of the Synod of the Presbyterian Church in Canada in connection with the Church of Scotland for a ministry trained within the country. As early as 1832 the Provincial Government had been petitioned "to endow without delay an institution, or professorships, for the education and training of young men for the ministry in connection with the Synod." This and other representations failing of their object, steps were taken by the Synod to found a college at Kingston on the lines of the Scottish National Universities. On October 16, 1841, a Royal Charter was issued by Her Majesty Queen Victoria for the establishment of Queen's College, Kingston, and the first classes were opened in March, 1842, with the Rev. Dr. Liddell as Principal. Funds were provided in part by grants from the Presbyterian Church in Scotland, and from the Canadian Government, and in part by liberal subscriptions from the friends of the young and growing University. In 1867-68 the withdrawal of the Provincial grant, and the failure of the Commercial Bank, which swept away the greater part of the endowment, almost brought financial disaster. But the crisis was met by the determination of Principal Snodgrass and of other self-denying workers, chief among whom was Professor Mackerras. The country was canvassed for subscriptions, and as a result of the widespread interest aroused, $113,000 was added to the endowment.

In 1877 Principal Snodgrass was succeeded by the Rev. G. M. Grant who for a quarter of a century built with brilliant success upon the foundation laid by his predecessors. Under his guidance the University gained rapidly in size and prestige. In 1887, as the result of an effort in commemoration of the Queen's Jubilee, $250,000 was raised, resulting in further extension, and in the establishment of new professorships.

Principal Grant died in 1902, and was succeeded in the following year by the Very Rev. D. M. Gordon. In 1916, owing to ill-health, Principal Gordon resigned his position but continued in office until the autumn of 1917, when the Rev. R. Bruce Taylor, M.A., D.D., was appointed as his successor.

In 1854 the Medical Faculty of Queen's was established. It was re-organized in 1865 as the Royal College of Physicians and Surgeons in affiliation with the University, but in 1891 the original status was resumed. Excellent facilities for clinical work are provided in the

General Hospital, Hotel Dieu, Rockwood Hospital, and the Mowat Memorial Hospital.

Queen's led the way in co-education. As early as 1870 special classes in English and other subjects were formed for women, but courses leading to a degree were not thrown open to them until 1878-79. In 1880 co-education was extended to the medical course, and in 1883 a separate Women's Medical College was opened and affiliated with Queen's. It was closed, however, in 1894, as similar facilities were offered in Toronto and elsewhere.

The School of Mining was founded in 1893 under an Ontario charter and for several sessions all its departments were housed in Carruthers Science Hall, erected in 1889. The Provincial Legislature in 1900 provided Ontario Hall for the Departments of Physics, Geology and Mineralogy and Fleming Hall for the Departments of Civil, Mechanical and Electrical Engineering. More recently the Provincial Government erected Gordon Hall, which is entirely used by the Department of Chemistry, and, through the generosity of the late Professor Nicol and other graduates, Nicol Hall was built to provide class rooms and laboratories for the Department of Mining and Metallurgy. The School of Mining was amalgamated with the University in 1916 and now constitutes its Faculty of Applied Science.

There is now on the University Campus a stately group of buildings, comprising the Old Arts Building (now the Theological Building); Carruthers Hall (Civil Engineering); the New Arts Building, the gift of the city of Kingston; Grant Hall, erected by the students to the memory of the late Principal Grant; Ontario Hall (Physics, Mineralogy, and Geology); Fleming Hall (Mechanical and Electrical Engineering); Gordon Hall (Chemistry); Nicol Hall (Metallurgy); the Medical Building; the Medical Laboratories Building; the Gymnasium; the Observatory; and the Douglas Memorial Library.

Queen's University, though founded by a Church, was dedicated to the nation. As its constituency expanded, its constitution was gradually broadened until finally in 1912, as a result of an amicable arrangement between the Presbyterian Church and the trustees of the University, an act was passed by the Dominion Parliament removing the last vestige of denominational control. The registration of students has grown from 665 in 1900 to 2861 in the present session and Queen's has become nation-wide in its work and influence.

# GOVERNMENT AND ADMINISTRATION

The administration of the University is vested in the Board of Trustees, the University Council, the Senate, and the Faculty Boards.

## THE BOARD OF TRUSTEES

The Board of Trustees consists of *ex-officio* and elective members. The former are the Chancellor, the Principal, and the Rector. The latter consist of (1) one representative from each affiliated college, (2) representatives as provided for by the Statutes from (*a*) the University Council, (*b*) the Benefactors, (*c*) the Graduates, and (3) members elected by the Board of Trustees.

The functions of the Board of Trustees are to manage the finances, to possess and care for the property, to procure legislation, to appoint instructors and other officers, and in general to attend to such external matters as do not relate directly to instruction.

## THE UNIVERSITY COUNCIL

The University Council consists of the Chancellor, the Trustees, the members of the Senate, and an equal number of members elected by the Graduates from their own members.

The annual meeting of the Council is held on the Tuesday immediately preceding Convocation.

The Functions of the Council are:

(1) To elect the Chancellor, except when two or more candidates are nominated, in which case the election is by registered graduates.

(2) To elect six trustees, two of whom shall retire annually.

(3) To make by-laws governing the elections of (*a*) the Rector by the registered students, (*b*) four trustees by the benefactors, (*c*) six trustees by the University Council, (*d*) six trustees by the graduates.

(4) To discuss all questions relating to the University and its welfare.

(5) To make representation of its views to the Senate or the Board of Trustees.

(6) To decide on proposals for affiliation.

(7) To arrange all matters pertaining to (*a*) its own meetings and business, (*b*) the meetings and proceedings of Convocation, (*c*) the installation of the Chancellor, (*d*) the fees for membership, registration and voting.

## THE SENATE

The Senate consists of:

The Principal.

The Vice-Principal.

The Principal of Queen's Theological College.

The Dean of the Faculty of Arts.

The Dean of the Faculty of Medicine.

The Dean of the Faculty of Applied Science.

Three Professors elected by the Faculty of Arts.

Three Professors elected by the Faculty of Medicine.

Three Professors elected by the Faculty of Applied Science.

Two Professors elected by the Faculty of Queen's Theological College.

The functions of the Senate are:

(1) To determine all matters of an academic character which concern the University as a whole.

(2) To consider and determine all courses of study leading to a degrees, including conditions of Matriculation, on recommendation of the respective Faculty Boards; but the Senate shall not embody any changes without having previously presented these to the Faculty.

(3) To recommend to the Board of Trustees the establishment of any additional Faculty, Department, Chair, or Course of Instruction in the University.

(4) To be the medium of communication between the Alma Mater Society and the Governing Bodies.

(5) To determine all regulations regarding the social functions of the students within the University, and regarding the University Library and University Reading Rooms.

(6) To publish the University Calendar.

(7) To conduct examinations.

(8) To grant Degrees.

(9) To award University Scholarships, Medals, and Prizes.

(10) To enforce the Statutes, Rules, and Ordinances of the University.

(11) To make such recommendations to the Governing Boards as may be deemed expedient for promoting the interests of the University.

## THE FACULTY BOARDS

The Dean, Professors, Associate Professors, Assistant Professors, and Lecturers of each Faculty have power to meet as separate boards, and to administer the affairs of each Faculty under such regulations as the Board of Trustees may prescribe. The Principal is *ex-officio* president and a member of each of the Faculty Boards.

**The Functions of the Faculty Boards are:**

(1) To recommend to the Senate courses of study leading to a degree, and the conditions of admission.

(2) To decide upon applications for admission or for change of course, subject to the regulations of the Senate.

(3) To submit to the Senate names for both ordinary and honorary degrees.

(4) To arrange the time-table for classes and to edit the Faculty Calendar, subject to the approval of the Senate.

(5) To control registration, and determine the amount of fees and manner of payment, subject to the regulations of the Senate.

(6) To deal with class failures.

(7) To exercise academic supervision over students.

(8) To make such recommendations to the Senate as may be deemed expedient for promoting the efficiency of the University.

(9) To award Faculty Scholarships, Medals, and Prizes.

(10) To appoint such sessional assistants, fellows, tutors, and demonstrators as shall be needed to give instruction in the subjects taught by the Faculty.

(11) To pass such regulations and by-laws as may be necessary for the exercises of the functions of the Faculty.

# OFFICERS OF ADMINISTRATION

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W. H. COVERDALE, LL.D. ..... Rector

*Elective Members*

*Retire 1925*

R. E. KENT, ESQ.[4] ..... Kingston
VERY REV. M. MACGILLIVRAY, M.A., D.D.[6] ..... Kingston
D. J. MCLEOD, B.A.[6] ..... Toronto
R. A. STAPELLS, ESQ.[6] ..... Toronto

*Retire 1926*

HAMILTON CASSELS, K.C., LL.D.[6] ..... Toronto
CAPT. JOHN DONNELLY, M.E.[4] ..... Kingston
PRINCIPAL S. W. DYDE, M.A., D.D., D.Sc., LL.D.[5] ..... Kingston
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E. R. PEACOCK, M.A.[6] ..... London, Eng.
ADAM SHORTT, M.A., LL.D., C.M.G.[3] ..... Ottawa
J. G. MACPHAIL, B.A., B.Sc.[3] ..... Ottawa

*Retire 1927*

R. CRAWFORD, B.A.[4] ..... Kingston
REV. D. R. DRUMMOND, M.A., D.D.[6] ..... Hamilton
SENATOR A. C. HARDY, ESQ.[6] ..... Brockville
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J. A. MINNES, ESQ. ..... Kingston
HON. MR. JUSTICE H. M. MOWAT, B.A., LL.B.[1] ..... Toronto
J. M. MACDONNELL, M.A.[7] ..... Montreal
R. O. SWEEZY, B.Sc.[3] ..... Montreal

*Retire 1928*

J. MACINTOSH BELL, M.A., Ph.D., LL.D.[7] ..... Almonte
JAMES CAPPON, M.A., LL.D., F.R.S.C.[3] ..... Kingston
J. M. FARRELL, B.A.[3] ..... Kingston
VERY REV. W. T. HERRIDGE, D.D.[6] ..... Ottawa
A. P. KNIGHT, M.A., M.D., F.R.S.C.[2] ..... Kingston
HON. MR. JUSTICE W. A. LOGIE, M.A., LL.B.[6] ..... Toronto
ALEXANDER LONGWELL, B.A., B.Sc.[1] ..... Toronto
D. M. MCINTYRE, LL.D., K.C.[1] ..... Toronto
JAMES RICHARDSON, ESQ.[6] ..... Winnipeg, Man.

*Retire 1929*

H. A. CALVIN, ESQ.[2] ..... Toronto

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[1]Elected by the University Council for three years.
[2]Elected by the Benefactors for four years.
[3]Elected by the Graduates for three years.
[4]Elected by the Board of Trustees to represent the Faculty of Applied Science for three years.
[5]Elected by the Faculty of Queen's Theological College for one year.
[6]Elected by the Board of Trustees from among its own members for four years.
[7]Elected by Benefactors to represent the Faculty of Applied Science for three years.

# THE UNIVERSITY COUNCIL

*Registrar*

J. M. FARRELL, B.A.

*Ex-officio Members*

THE CHANCELLOR
THE PRINCIPAL
THE MEMBERS OF THE BOARD OF TRUSTEES
THE MEMBERS OF THE SENATE

*Elective Members*

*Retire 1926*

H. A. CALVIN, ESQ. ..... Toronto
E. T. CORKILL, B.Sc., M.E. ..... Copper Cliff
JUDGE A. G. FARRELL, B.A. ..... Regina, Sask.
PRINCIPAL W. L. GRANT, M.A. ..... Toronto
C. F. HAMILTON, M.A. ..... Ottawa
ALEXANDER LONGWELL, B.A., B.Sc. ..... Toronto
REV. J. W. MCINTOSH, M.A. ..... Richmond Hill
MISS EDNA POOLE, B.A. ..... Toronto

*Retire 1927*

REV. JAS. BINNIE, M.A., B.D. ..... Parry Sound
H. M. BRYAN, M.A. ..... Renfrew
D. D. CALVIN, B.A. ..... Toronto
T. H. FARRELL, M.A., M.D. ..... Utica, N.Y.
SENATOR ANDREW HAYDON, M.A., LL.B. ..... Ottawa
FRANCIS KING, M.A., K.C. ..... Kingston
D. H. LAIRD, M.A., K.C. ..... Winnipeg, Man.
J. B. MCKECHNIE, M.A. ..... Toronto
HON. W. F. NICKLE, B.A., K.C., M.P.P.[1] ..... Kingston
MISS VICTORIA REID, B.A., M.D. ..... Toronto

*Retire 1928*

J. M. MACDONNELL, M.A. ..... Montreal, P.Q.
C. LAIDLAW, B.A., M.D. ..... Ottawa
R. W. BROCK, M.A. ..... Vancouver
JUDGE E. B. FRALECK, B.A. ..... Belleville
REV. D. MCTAVISH, M.A., D.Sc. ..... Toronto
E. J. WILLIAMS, B.A., M.D. ..... Brockville
W. H. RANKIN, M.D. ..... Brooklyn
R. H. COWLEY, M.A. ..... Toronto

*Retire 1929*

GEORGE A. GUESS, M.A. ..... Kingston
DENNIS JORDAN, B.A., M.D. ..... Toronto
REV. N. M. LECKIE, B.A., B.D. .....St. Mary's
MRS. J. MACGILLIVRAY, M.A. ..... Kingston
D. M. MCINTYRE, M.A., K.C. .....Toronto
W. S. MORDEN, B.A., LL.D. ..... Toronto
MISS MARGARET MACKINTOSH, B.A. .....Ottawa

*Retired 1930*

MAJOR E. H. BIRKETT, B.Sc. .....Timmins
E. A. COLLINS, B.Sc. .....Copper Cliff
REV. EBER CRUMMY, B.Sc., D.D. .....Red Deer, Alta.
A. B. CUNNINGHAM, B. A. .....Kingston
J. A. MINNES, ESQ. ..... Kingston
R. S. MINNES, M.A., M.D. ..... Ottawa
MISS MARION REDDEN, B.A..... Kingston
R. O. SWEEZEY, B.Sc. ..... Montreal

*Retire 1931*

A. E. DAY, M.A. ..... ....Kingston
REV. J. A. DONNELL, M.A. .....Saskatoon, Sask.
JOHN DONNELLY, E.M. ..... Kingston
W. C. DOWSLEY, M.A. ..... ..... Brockville
MRS. H. A. LAVELL, B.A. ..... Kingston
HON. MR. JUSTICE H. M. MOWAT, B.A., LL.B., K.C..... Toronto
MRS. ETTA NEWLANDS, M.A. .....Kingston
F. J. POPE, M.A., Ph.D. ..... .....New Rochelle, N.Y.

## THE SENATE

### *Ex-officio Members*

R. Bruce Taylor, M.A., D.D., LL.D. .....Principal
John Matheson, M.A. .....Dean of the Faculty of Arts
A. L. Clark, M.A., Ph.D.....Dean of the Faculty of Applied Science
J. C. Connell, M.A., M.D. .....Dean of the Faculty of Medicine
Rev. S. W. Dyde, M.A., D.D.....Principal of Queen's Theological College

### *Elective Members*

#### *The Faculty of Arts*

D. A. McArthur, M.A. ..... Retires 1926
A. C. Neish, Ph.D. ..... Retires 1927
J. F. Macdonald, M. A. ..... Retires 1928

#### *The Faculty of Applied Science*

S. N. Graham, B.Sc. ..... Retires 1926
D. M. Jemmett, M.A., B.Sc. ..... Retires 1927
E. L. Bruce, B.A., B.Sc., Ph.D. ..... Retires 1928

#### *The Faculty of Medicine*

L. J. Austin, M.Ch. ..... Retires 1926
G. Spencer Melvin, M.D. ..... Retires 1926
G. B. Reed, B.S., Ph.D. ..... Retires 1926

#### *The Faculty of Queen's Theological College*

Rev. J. F. McFadyen, M.A. .....Retires 1926
Rev. W. G. Jordan, B.A., D.D. ..... Retires 1927

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## EMERITUS PROFESSORS

W. G. Anglin, M.D., C.M., M.R.C.S., Eng.
*Emeritus Professor of Clinical Surgery,*
52 Earl Street

A. P. Knight, M.A., M.D. (Toronto), F.R.S.C.,
*Emeritus Professor of Physiology*
Alice Street

James Third, M.D. (Toronto), M.D., C.M. (Trinity)
*Emeritus Professor of Medicine*
Wellington Street

# OFFICERS OF INSTRUCTION

L. J. Austin, M.Ch. (Cantab.), F.R.C.S., Eng.
*Professor of Surgery*
84 Barrie Street

A. L. Clark, B.Sc., Ph.D. (Clark), F.R.S.C.,
*Professor of Physics and Dean of the Faculty of Applied Science*
200 Albert Street

J. C. Connell, M.A., M.D.,
*Professor of Ophthalmology, Otology, Laryngology and Rhinology, and Dean of the Faculty*
265 King Street

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., London
*Professor of Medicine and Clinical Medicine*
11 Arch Street

G. S. Melvin, M.D. (Aberdeen)
*Professor of Physiology*
220 Frontenac Street

James Miller, B.Sc., M.D. (Edinburgh), D.Sc. (Birmingham), F.R.C.P.Ed., F.R.S.C.
*Professor of Pathology*
91 Albert Street

G. W. Mylks, M.D., F.A.C.S.,
*Professor of Gynaecology*
122 Wellington Street

W. T. MacClement, M.A., D.Sc. (Armour Institute)
*The John Roberts Allan Professor of Botany*
University Grounds

G. B. Reed, B.Sc., Ph.D. (Harvard)
*Professor of Bacteriology*
218 Albert Street

Edward Ryan, B.A., M.D., C.M.
*Professor of Psychiatry and Associate Professor of Surgery.*
Rockwood Hospital

A. R. B. Williamson, M.A., M.D., M.R.C.S., Eng., L.R.C.P., London
*Professor of Obstetrics and Secretary of the Faculty*
240 King Street

THOS. GIBSON, M.A., M.B. (Edinburgh).
*Professor of Pharmacology and Therapeutics*
141 King Street East

R. R. MACGREGOR, M.D., C.M.
*Professor of Pediatrics*
142 Wellington Street

D. C. MATHESON, M.B.,
*Professor of Anatomy*
32 Union Street West

W. A. MACKINTOSH, M.A., Ph.D.
*Professor of Political and Economic Science*
310 University Avenue

DUNCAN MCARTHUR, M.A., F.R.S.C.
*Professor of History and Douglas*
*Professor of Colonial History*
26 Wellington Street

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132 Earl Street

I. G. BOGART, M.D., C.M.
*Associate Professor of Surgery*
102 Wellington Street

FREDERICK ETHERINGTON, M.D.,
*Associate Professor of Surgery*
118 University Avenue

WM. GIBSON, M.D.
*Associate Profcssor of Medicine*
85 William Street

E. C. D. MACCALLUM, M.D., C.M. (McGill),
*Associate Professor of Medicine*
302 Barrie Street

J. K. ROBERTSON, M.A. (Toronto)
*Associate Professor of Physics*
105 Albert Street

R. J. GARDINER, M.D., C.M.
*Assistant Professor of Surgery and Lecturer in Medical Jurisprudence*
68 Johnson Street

S. J. KEYES, M.D., C.M.
*Assistant Professor of Surgery and Lecturer in Anesthetics.*
255 Queen Street

J. P. QUIGLEY, M.A., M.D., M.R.C.S., Eng., L.R.C.P., London
*Assistant Professor of Materia Medica, Lecturer in Electro-therapeutics and Radiographer*
197 Johnson Street

J. F. SPARKS, B.A., M.D., C.M.
*Assistant Professor of Surgery and Applied Anatomy*
100 Wellington Street.

R. O. EARL, B.A. (Queen's), M.Sc. (Chicago)
*Assistant Professor of Biology*
313 King Street West

W. V. BALL, B.A.Sc. (Toronto)
*Lecturer in Physics*
120 College Street

J. H. ORR, M.D., C.M.
*Lecturer in Bacteriology*
431 Johnson Street

F. A. CAYS, M.D., C.M.
*Lecturer in Eye, Ear, Nose and Throat*
124 Wellington Street

R. L. DORRANCE, M.A. (Toronto)
*Lecturer in Chemistry*
187 Johnson Street

G. H. ETTINGER, B.A., M.D., C.M.
*Lecturer in Physiology and Embryology*
Edge Hill

W. D. HAY, M.A., M.D., C.M.
*Lecturer in Clinical Microscopy*
169 Stuart Street

BRUCE H. HOPKINS, M.B. (Toronto)
*Lecturer in Medicine*
91 King Street, East

T. J. RIGNEY, B.A., K.C., City Solicitor
*Lecturer in Medical Jurisprudence*
89 Clarence Street

C. A. E. HENSLEY, B.A.
*Lecturer in Biology*
44 O'Kill Street

HENDRY C. CONNELL, B.A., M.D., C.M.
*Clinical Assistant in Eye, Ear, Nose and Throat*
265 King Street

W. A. JONES, M.D. (Western)
*Clinical Assistant in Medicine and Historian*
251 University Avenue

M. J. MORISON, M.D., C.M.
*Clinical Assistant in Obstetrics and Gynaecology*
327 Barrie Street

F. J. O'CONNOR, M.D., C.M.
*Clinical Assistant in Obstetrics and Fellow in Anatomy*
193 Earl Street

J. REGINALD THIRD, B.A., M.D., C.M.
*Clinical Assistant in Medicine*
Wellington Street

H. S. ANGROVE, M.D., C.M.
*Fellow in Anatomy and Medical Adviser*
180 Bagot Street

J. E. KANE, M.D., C.M.
*Demonstrator of Anatomy*
201 Brock Street

P. M. MACDONNELL, BA., M.D., C.M.
*Clinical Assistant in Medicine*
142 Wellington Street

C. Y. HOPKINS, B.A.
*Assistant in Organic Chemistry*

D. O. ROBINSON, B.Sc.
*Assistant in Physics*
199 University Avenue

---

MISS JESSIE GORDON
*Assistant Secertary*
240 Alfred Street

## OTHER OFFICERS

Librarian
NATHAN VAN PATTEN

Chief Cataloguer
CATHARINE TRACEY

Curators of the Library
PRINCIPAL TAYLOR, VICE-PRINCIPAL WATSON, PRINCIPAL DYDE, MR. VAN PATTEN, DEAN CONNELL, DEAN MATHESON, DEAN CLARK, PROFESSORS MCARTHUR, MACDONALD, ELLIS, JAMES MILLER AND MORGAN

Curators of the Museums
THE PROFESSORS OF BIOLOGY, GEOLOGY AND PATHOLOGY

The Observatory Board
THE PRINCIPAL AND THE PROFESSOR OF ASTRONOMY

Director of Summer School
PROFESSOR MACCLEMENT

Director of Extension Work
A. H. CARR, C.A.

Superintendent of Buildings
JAMES BEWS

Director of Athletics
W. P. Hughes, B.A.
Secretary-Treasurer, Athletic Board of Control
J. S. MCDONELL, B.A.

# EQUIPMENT AND SPECIAL FACILITIES

## THE LABORATORIES

### THE BIOLOGICAL LABORATORIES

The laboratory work in General Biology is conducted in the new laboratory on the ground floor of the old Arts Building; this laboratory is equipped with all the supplies necessary for the study of the simpler forms of life and is provided with a separate locker for each student. The laboratory for Experimental Physiology occupies the west end of the second floor of the Medical Laboratories Building and has all appliances necessary for 50 students working at one time. The classes in Histology and Embryology are conducted in the laboratory on the second floor at the east end of Laboratories Building; accommodations for 120 students are available.

### THE CHEMICAL LABORATORIES

The Chemical Laboratories are situated in Gordon Hall, which was opened for occupancy in the autumn of 1911. This building is devoted entirely to work in Chemistry, and is thoroughly modern in every detail. There is a large lecture amphitheatre situated on the third floor with a seating capacity of 216, and two small lecture rooms on the first floor. The laboratories for General, Organic and Physiological Chemistry are situated on the third floor. Each member of the permanent staff has his own office and laboratory where he may carry on his private investigations. A centrally located set of supply and store rooms is provided with electric elevator connection. A well-lighted library, equipped for both undergraduate and post-graduate study, is situated on the second floor.

A double system of ventilation is provided, one for noxious fumes and the other for general ventilation. A special equipment, automatically operated, furnishes compressed air as well as a low pressure system. Both high and low pressure steam is available in the majority of the laboratories.

### THE PHYSICAL LABORATORIES

The Physical Laboratories are situated in the southern half of Ontario Hall. There is a large, well equipped lecture room with seating capacity of 125 on the second floor, and a small lecture and class room on the first floor. Two of the large rooms on the first floor are devoted to the more elementary laboratory work of the first and second years and

a commodious room on the second floor is arranged as an electrical laboratory for advanced work. Various smaller rooms are fitted for special purposes. One of them is for work in Physical Optics—Spectrometry, Polarimetry, and Spectroscopy. Another is well equipped as a dark room for Photography. A third is arranged for X-ray and photometric work. Other rooms are used as private laboratories, offices, apparatus rooms, and store rooms. The library and reading room is a large well lighted room on the second floor.

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## THE MEDICAL BUILDINGS

The old Medical Building, erected in 1858, was destroyed by fire in August, 1924, and is now being replaced by a fire-proof structure, which should be ready for occupancy by October 1st, 1925. This building will house the departments of Anatomy, Histology and Embryology, and be the general headquarters for the Medical Faculty.

The Medical Laboratories building contains the departments of Physiology, Pharmacology, Bacteriology and Public Health.

The Department of Pathology will be housed in the new Pathological block of the Clinical Building, General Hospital, which will be ready for use on October 1, 1925.

The subjects of Physics, Chemistry and Biology are taught in the University buildings housing these departments.

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## THE HOSPITALS

The General Hospital affords the main source of clinical teaching, its staff being nominated by the Medical Faculty. The new buildings are now nearing completion and should be in use for the teaching session of 1925-26. These buildings will give ample facilities for the proper organization of the various departments of Hospital services.

The Isolation Hospital, erected on the General Hospital grounds and under its administration, will accommodate 64 patients. This Hospital affords full opportunity for clinical training in infectious diseases.

The Hotel Dieu Hospital throws open its wards for clinical teaching. This Hospital has 200 beds and is thoroughly equipped.

Rockwood Hospital for the Insane is also open to students. The staff of this Hospital are responsible for the teaching in Mental Diseases. Its large population affords in addition much material for medical, surgical and gynaecological teaching.

The Mowat Sanatorium for Tuberculosis, which is equipped for 140 patients, affords ample opportunity to the students for clinical teaching in pulmonary diseases, and for the study, prevention and treatment of tuberculosis.

Through the courtesy of the Federal Department of Justice, and the co-operation of the Prison Surgeon, weekly clinics are permitted at the Penitentiary Hospital in Medicine and Surgery.

## THE MUSEUM

The Pathological Museum contains numerous valuable specimens collected both from hospital and private practice. A catalogue has been compiled and is accessible for use in study of the specimens. Contributions of morbid specimens will be gladly received from practitioners.

The Museum has recently been considerably enlarged. It now contains nearly 2,000 specimens, the majority of which are mounted in accordance with modern methods for preserving colour.

The Museum will be transferred, along with the Pathological Department, to the new Hospital Building in the fall of 1925.

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## LIBRARY

The University Library was removed from the old Arts Building to the new Douglas Library Building during the summer of 1924. The new building provides one large reading room, three smaller ones, a number of conference rooms, exhibition room and offices for the library staff.

In the main reading room will be found a collection of some 5,000 volumes of general reference works on open shelves. The main collection is shelved on five tiers of book-stack, occupying the centre of the building and under the main reading room. The general library now comprises in excess of 150,000 volumes as well as many original manuscripts and prints.

The system of classification used is that of the Library of Congress.

Seven hundred and fifty journals and other serials are being currently received.

In addition to the general library there are departmental libraries for physics; chemistry; mining and metallurgy; geology and mineralogy; civil, mechanical and electrical engineering.

The library of the Medical Faculty is now located in the Douglas Library Building, and has its own reading room. It is administered by the staff of the general library.

The Lorne Pierce Collection of Canadian Literature is very rich in first editions, original manuscripts and rare Canadiana.

The Shortt-Haydon Collection of portraits and views relating to Canada is the second finest collection of its kind in existence.

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## POST GRADUATE LECTURES

For the benefit of the local practitioners and senior students a course of special lectures is arranged each winter session.

The syllabus for the session of 1924-25 was as follows:

*Thursday, Nov. 6*—DR. J. W. S. MCCULLOUGH, Chief Officer of Health for Ontario—*Public Health, Past, Present and Future.*

*Friday, Nov. 14*—PROFESSOR EARL—*Heredity.*

*Thursday, Nov. 20*—DR. DWYER, New York—*Our Present Conceptions of Focal Infections.*

*Friday, Nov. 28*—PROFESSOR MILLER, Western University, London, Ont. *Recent Advances in the Physiology of the Nervous System.*

*Friday, Dec. 12*—DR. THOS. GIBSON—*A Glance at the Pharmacology of the Past.*

*Friday, Jan. 9*—PROFESSOR OERTEL, McGill University—*Anatomical Changes in Relation to the Functional Disturbances in Chronic Nephritis, more especially in the contracted kidney types.*

*Friday, Jan. 23*—PROFESSOR DUNCAN GRAHAM, University of Toronto—*The Diagnosis and Treatment of Pernicious Anaemia.*

*Friday, Feb. 13*—PROFESSOR MEAKINS, Royal Victoria Hospital, Montreal. The Basis of Heart Failure.

*Friday, Feb. 27*—DR. PRIMROSE, Dean of the Medical Faculty, University of Toronto—*Tumours of the Large and Small Intestine.*

*Friday, Mar. 13*—DR. HUGH LAIDLAW, Ottawa. The Psychic Factor in Practice.

*Friday, Mar. 27*—PROFESSOR J. G. FITZGERALD, Department of Hygiene, Toronto—*Scarlet Fever Immunisation.*

*Friday, Apr. 2*—DR. ETTINGER—*Developmental Defects.*

*Friday, Apr. 24*—DR. R. R. MACGREGOR—*The Undernourished Child.*

# GENERAL INFORMATION

## ADMISSION OF STUDENTS

The number of students admitted to the classes of the first year is limited and prospective matriculants should make formal application for admission on forms obtainable from the Secretary of the Faculty. These applications should be in the hands of the Secretary not later than September 1st. Applicants will be notified of the decision of the Committee on Admissions as soon as possible after that date. Only under special circumstances will applications be considered *after* September 1st.

Men alone are admitted.

Matriculation requirements must be completed before admission.

Canadidates for admission must present certificates of having passed in the following subjects of Pass and Honor Matriculation:—

### PASS MATRICULATION

Latin (Authors and Composition).
English (Literature and Composition).
History (British and Ancient).
Mathematics (Algebra and Geometry).
and any two of the following:—
Greek (Authors and Composition).
German (Authors and Composition).
French (Authors and Composition).
Spanish (Authors and Compostiion). } or
Italian (Authors and Composition). }
Experimental Science (Physics and Chemistry). } or
Agriculture (Part I and Part II). }

### HONOR MATRICULATION

English (Literature and Composition).
Mathematics (Algebra, Geometry, Trigonometry).
Physics or Chemistry or Biology may be substituted for Trigonometry.
and one of
Latin (Authors and Composition).
Greek (Authors and Composition).
French (Authors and Composition).
German (Authors and Composition).

The pass standard is fifty per cent. in each paper.

A candidate who has completed the first year of the Faculty of Arts in any University may be admitted to the first year in the Faculty of Medicine.

Candidates from Provinces of Canada other than Ontario must present certificates of a standard equivalent to that required for students from the Province of Ontario; or must have passed the matriculation examinations prescribed by the Medical Council of any Province and have registered with the Medical Board as a medical student in that Province.

Prospective matriculants must submit with their applications for admission the certificates on which they claim standing.

Teachers' examinations are accepted *pro tanto* in lieu of the Matriculation Examinations in so far as the subjects correspond.

Certificates of Matriculation in any University may be accepted *pro tanto* at the discretion of the Faculty.

Graduates in Arts, who have taken in their Arts course the subjects of Physics, Biology, and Chemistry, including Qualitative Analysis, will receive advanced standing with credit for the work done in Arts so far as it applies to the medical course. The course in Medicine may thus be completed in five years instead of six. If the subjects of Organic Chemistry, Physiology, Histology, and Embryology have also been included, the course in Medicine may be completed in four years.

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## MATRICULATION EXAMINATIONS

The Matriculation examinations are conducted for the Universities of Ontario by the University Matriculation Board. They are held in June of each year at the Universities and at each High School and Collegiate Institute in Ontario and at such other centres as may be approved by the Board. If application is made to the University Senate, the examination may be held at suitable centres outside of Ontario.

The Secretary of the University Matriculation Board, R. W. Anglin, M.A., Parliament Buildings, Toronto, will furnish on request, the official circular which contains full information concerning dates, fees, standards, curriculum, and examination centres. The University also publishes an announcement containing all particulars regarding Matriculation, which may be obtained from the Registrar of the University.

## REGISTRATION

Students, not registering *in person* on or before October 2nd, must pay the fee for late registration and no student will be allowed to register in the Faculty of Medicine after the 5th of October.

At the time of registration, students who claim exemptions must present to the Secretary certificates giving an exact statement of the exemptions to which they are entitled.

A student who has attended the course of instruction in any year will be required to complete the examinations for that year before he will be permitted to register in the succeeding year.

No student may repeat more than one year during his course without the permission of the Faculty.

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## CURRICULUM

Candidates for the degree of M.D., C.M., must complete a period of six years' study, comprising six sessions of eight months each.

Regular attendance on full courses of instruction is required in the following subjects of study:—

1st Year—Biology, Chemistry, Physics, History or Economics.

2nd Year:—Anatomy, Organic Chemistry, Histology, Embryology, Physics, Psychology.

3rd Year:—Anatomy, Physiology, Histology, Physiological Chemistry, Bacteriology.

4th Year:—Pathology, Materia Medica, Pharmacology, Bacteriology, Applied Anatomy, Surgery, Medicine, Clinical Microscopy.

5th Year:—Surgery, Medicine (including Therapeutics), Obstetrics, Gynaecology, Pathology and Pathological Chemistry, Eye, Ear, Nose and Throat, Applied Anatomy, Pediatrics, Psychology.

6th Year:—Surgery, Medicine, Obstetrics, Gynaecology, Pathology, Preventive Medicine, Psychiatry, Jurisprudence, Applied Anatomy, History of Medicine, Eye, Ear, Nose and Throat, Pediatrics.

Certificates of attendance on lectures may be accepted from incorporated medical schools in the British Dominions and others recognized by British Universities and licensing bodies. Other certificates of attendance on lectures and examinations may be accepted at the discretion of the Faculty.

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The combined B.A., M.D., Course has been discontinued, but students who have already started, will be allowed to finish.

## EXAMINATIONS AND GRADUATION

Examinations are held in all subjects at the end of the fall term.

Students must attend a minimum of 80 per cent. of the lectures and laboratory exercises in the subjects for which they are registered to be admitted to the final examinations in those subjects.

**A minimum of fifty per cent. in each subject is required to pass.**

**Students in the first year failing in a majority of subjects at the Christmas examinations may be requested to withdraw from the University at the discretion of the Faculty.**

Students in the first year failing in a majority of the subjects at the Spring Examinations will be required to withdraw from the University. Students in other years failing in a majority of the subjects of the year at the Spring Examinations may be required to withdraw from the University but, if allowed to again register, must repeat their attendance in all the courses of the year before again presenting themselves for examination.

Candidates who pass in a majority of the subjects required at the annual examinations at the end of the First, Second and Third years and in all but three subjects at the end of the Fourth, Fifth and Sixth years, may present themselves at the supplemental examinations next ensuing in the subjects in which they fail. On passing such examinations they will be allowed their year.

A candidate will not be admitted to an examination unless he has paid all University fees.

### Examinations

Examinations are required at the end of every session as follows:—

At the end of the first session:—

Biology, Chemistry, Physics, History or Economics.

At the end of the second session:—

Anatomy, Organic Chemistry, Physics, Histology, Embryology, Psychology.

At the end of the third session:—

Anatomy, Physiology, Histology, Physiological Chemistry, Bacteriology.

At the end of the fourth session:—

Pathology, Pharmacology (including Materia Medica), Applied Anatomy, Surgery, Medicine, Bacteriology.

At the end of the fifth session:—

Surgery, Medicine (including Therapeutics), Obstetrics, Gynaecology, Pathology and Pathological Chemistry, Pediatrics, Applied Anatomy, Eye, Ear, Nose and Throat, Psychology.

At the end of the sixth session:—

Surgery, Medicine, Gynaecology, Obstetrics, Pathology, Preventive Medicine, Jurisprudence, Psychiatry, Applied Anatomy, Eye, Ear, Nose and Throat, Pediatrics.

### Equivalent Examinations

The following courses and examinations in Arts will be accepted in Medicine:—

| Arts | Medicine |
|---|---|
| 1. Courses and examinations in Biology 1 and 2. | 1. Course and examination in first year Biology. |
| 2. Courses and examinations in General Chemistry and Qualitative Analysis. | 2. Course and examination in first year Chemistry. |
| 3. Course and examination in Organic Chemistry. | 3. Course and examination in second year Chemistry. |
| 4. Course and examination in Physics 1 in Arts or Science. | 4. Course and examination in first year Physics. |
| 5. Course and examination in Physics 2. | 5. Attendance on Lectures until Christmas, in Second Year Physics. |

The courses in Chemistry and Physics must be taken in the University; the classes will not be allowed to holders of certificates of Honour Matriculation.

### FEES

| | |
|---|---|
| Sessional Fee, if paid in full on registration | $125 00 |
| Sessional Fee, if paid in two instalments | 128 00 |
| Athletic Fee | 5 00 |
| Aesculapian Society Fee: | |
| First registration | 6 00 |
| Registered previously | 4 00 |
| Special Fee for Athletics, 1925-26 | 3 00 |
| Health Insurance Fee (each session) | 4 00 |
| Fee for late registration | 3 00 |
| Supplemental Examinations (each year) | 10 00 |
| Hospital Ticket—full course, payable with fourth year fees | 25 00 |
| Hospital Ticket—one session, payable with sessional fee | 9 00 |
| Laboratory fee for Biology | 5 00 |
| Laboratory fee for Histology | 10 00 |
| Laboratory fee for Bacteriology | 5 00 |
| Laboratory fee for Pathology (each session) | 10 00 |

| | |
|---|---|
| Laboratory deposit for Biology | 5 00 |
| Laboratory deposit for Embryology | 1 00 |
| Laboratory deposit for Physics (each session) | 5 00 |
| Laboratory deposit for Chemistry (each session) | 10 00 |
| Laboratory deposit for Experimental Physiology | 3 00 |
| *Ad eundem statum* | 10 00 |
| Degrees of Doctor of Medicine and Master of Surgery | 30 00 |
| Degree of Doctor of Science | 50 00 |
| Diploma of Public Health | 20 00 |
| Extra fee for Degree *in absentia* | 10 00 |
| Matriculation Examination | 8 00 |

Matriculation and graduation fees and the laboratory deposits for Chemistry and Physics are payable to the Registrar of the University. All other fees are payable with the sessional fee at the office of the Secretary of the Medical Faculty.

The sessional fee is $128 if paid in two instalments, as follows: $65 at the time of registration and $63 on or before December 10th. No student will be allowed to attend classes until at least half of the sessional fee and all other fees due have been paid, or to write on the Christmas examinations until all fees have been paid in full.

The graduation fee must be paid to the Treasurer of the University not later than March 15th. An extra fee of $3.00 is charged after that date.

## AVERAGE COST PER SESSION

During the session 1924-25 students have paid from $5.00 to $6.00 a week for board and $2.50 to $3.00 for room, so that satisfactory board and lodging may be obtained at from $7.50 to $9.00 per week. Lists of boarding and lodging houses may be obtained from the Secretary of the Faculty.

*The estimates do not include personal expenses.*

| | | |
|---|---|---|
| Sessional, athletic and hospital fees | $136 | $136 |
| Laboratory Fees | 5 – | 20 |
| Laboratory Deposits | 15 – | 20 |
| Board and lodging (32 weeks) | 240 – | 288 |
| Books and Stationery | 40 – | 70 |
| Incidentals | 15 – | 25 |
| | $451 | $559 |

## PHYSICAL WELFARE OF STUDENTS

Every student is required upon registration to contribute $4 towards a health insurance fund which the University will use to provide medical care for those who are ill.

Each first year student is given a physical examination by the University physician, and corrective exercises in the Gymnasium are prescribed when they are needed.

Gymnasium work for two hours each week is required of all first year students except those excused by the Medical Adviser. Voluntary classes are offered other students. The gymnasium is a modern stone building 60 x 105 ft. and is equipped with lockers, shower-baths, a swimming pool, running track, and all apparatus for physical training.

### Athletics

As a member of the Canadian Intercollegiate Amateur Athletic Association, Queen's gives every opportunity for students to compete in intercollegiate athletics on some of the many teams representing the University, while the student who is not a good enough athlete to find a place on a University team has the chance to play in inter-year and inter-faculty games.

All athletic activities are controlled by the Athletic Board of Control, consisting of twelve members — four graduates, four Professors, and four undergraduates. Two of the Professors and the four undergraduate members are elected by the student body. This Board controls the rink, the playing fields, and the gymnasium, and has a supervision and power of veto over the management and expenditure of the rugby, soccer, hockey, basketball, tennis, track, and boxing, fencing, and wrestling clubs. Each student pays an Athletic Fee of $5.00, which is collected with the sessional fee and paid to the Athletic Board of Control. A special Athletic Fee of $3.00 for the session 1925-26 has been authorized by the Senate at the request of the student body.

During the summer of 1921, through the generosity of Mr. James Richardson, of Winnipeg, a graduate in Arts of the University, the George Richardson Memorial Stadium was built on the Union Street Campus. The grand stand and bleachers accommodate about 6,000 spectators, and the playing field is unexcelled by any in Canada.

The Jock Harty Arena, built in 1921, was destroyed by fire in the spring of 1924. It was rebuilt on the same site during the summer. The new arena is equipped with an artificial ice plant.

## ATTENDANCE AT CHURCH

All students are expected to attend a church of the denomination to which they profess to belong. During the session, Sunday services are conducted at the University.

## THE ALMA MATER SOCIETY

Queen's was the first University in Canada to introduce Student Government. All students are members of the Alma Mater Society, the chief instrument of Student Government, and are expected to share in its duties and responsibilities.

*Office Bearers*

| | |
|---|---|
| President | J. L. McKelvey |
| Vice-President | E. A. Thomas |
| Second Vice-President | Miss B. Billings |
| Secretary | H. Haslam |
| Assistant Secretary | Miss M. Norris |
| Treasurer | J. E. A. Lindsay |
| Critic | J. A. Lyttle |
| Athletic Stick | W. M. Brown |
| Past President | J. C. MacGillivary |
| President of Levana | Miss K. Dolan |
| " " Arts Society | E. M. Patton |
| " " Theology | J. M. Miller |
| " " Aesculapian | P. A. McLeod |
| " " Engineering Society | E. O. Morgan |
| Committeemen | Miss H. Anglin |
| | A. J. Edminson |
| | R. H. Thompson |
| | P. W. Chantler |

## THE AESCULAPIAN SOCIETY

All students registered in the Faculty of Medicine are members of the Aesculapian Society, and amenable to its rules and regulations.

*Office Bearers*

| | |
|---|---|
| Honorary President | Dr. A. R. B. Williamson |
| President | P. A. McLeod |
| 1st Vice-President | J. McFarland |
| 2nd Vice-President | Ewart Lindsay |
| Secretary | A. V. Johnston |
| Assistant Secretary | W. F. Connell |
| Treasurer | R. Starrs |
| Committeemen | Year '26 H. C. Burleigh |
| | Year '27 J. Delahey |
| | Year '28 C. Howard |
| | Year '29 T. A. Seldon |
| | Year '30 W. W. Wade |

# HIGHER DEGREES

## DEGREE OF DOCTOR OF SCIENCE (D.Sc.)

The degree of D.Sc. is granted under the following conditions:—

(1) A period of two years must elapse between graduation as M.D. and the completion of the course.

(2) Original and independent research in some subject of importance to medical science must be undertaken.

(3) The candidate must submit a thesis embodying the results of his research. The literary as well as the scientific quality of the thesis is to be taken into account in judging the candidate's fitness to proceed to the examination.

(4) The candidate must apply in writing to the Secretary at least two years before he proposes to present himself for final examination, and must submit the subject of his research for approval.

(5) The examinations upon subjects cognate to that of the thesis will be assigned by the Faculty and include a reading knowledge of scientific French or German.

## DIPLOMA OF PUBLIC HEALTH (D.P.H.)

A. *For candidates who have taken the B.Sc., M.D. course*

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken:

(1) Three months in attendance and clinical instruction in a Hospital for infectious diseases.

(2) Three months in a Bacteriological Laboratory, devoted to bacteriological aspects of Public Health.

(3) One week in practical testing of milk and milk products for chemical constitution and common adulterations.

(4) Six months with a recognized Medical Officer of Health in the practical study of Sanitation.

B. *For candidates proceeding to take this Diploma after graduation as M.D.*

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken:

(1) Three months' course in Sanitary Physics (principles of statics, pneumatics, hydraulics, light, photometry, heat, thermometry, hygrometry).

(2) Three months' course in Sanitary Chemistry, especially devoted to quantitative and qualitative analysis of air, water, and common foodstuffs; this course must include one week's work in practical testing of milk and milk products for adulteration or sophistication.

(3) Three months' course in a Bacteriological Laboratory devoted to bacteriological aspects of Public Health work, such as examination of sputum, blood, swabs, water and milk, and the detection of common animal parasites.

(4) Three months' course in advanced Hygiene, covering especially a discussion of sewage and garbage disposal, water supplies, disinfection, transmissible diseases, vital statistics and sanitary legislation.

(5) Three months' course in Sanitary Engineering, including water services, sewerage systems, sewage and garbage disposal.

(6) Three months' attendance and clinical instruction in a Hospital for Infectious Diseases.

(7) Six months with a recognized Medical Officer of Health in the study of practical sanitation.

# SCHOLARSHIPS AND HONOURS

The following scholarships and honours are awarded to students in the Faculty of Medicine. The scholarships are tenable only by students in residence in the session following the award.

### The Robert Bruce Scholarship

The Robert Bruce Scholarship of about $75 awarded at the end of the first year to the student of Scottish extraction making the highest number of marks in the examinations of that year. One-third of the value of the Scholarship will be paid to the winner in each of the second, third, and fourth years of his course, provided he is in attendance in the Faculty in which the award was made.

This Scholarship has been established under provisions in the will of the late Robert Bruce of Quebec and similar scholarships are awarded in the Faculties of Arts and Science.

### Faculty Scholarship

A Faculty Scholarship of $50 awarded to the student making the highest number of marks on the examinations of the second year.

### The New York Alumni Association Scholarship

The New York Alumni Association Scholarship of $50 awarded to the student making the highest number of marks in the courses in Embryology and Histology of the second year.

### The Boak Scholarship

The Boak Scholarship in Anatomy, donated by Surgeon Eric W. Boak, of Esquimalt, B.C., of $25 awarded to the student making the highest number of marks in the written and oral examinations in Anatomy of the third year.

### The N. F. Dupuis Scholarship

The N. F. Dupuis Scholarship of $60 awarded to the student making the highest number of marks in the examinations in Chemistry of the third year. This Scholarship was founded by the graduates as a mark of their appreciation of the long and effective services of the late Dr. N. F. Dupuis, Professor of Mathematics.

### The Dean Fowler Scholarship

The Dean Fowler Scholarship of $50 awarded to the student making the highest number of marks in the examinations of the fourth year.

### The David Edward Mundell Scholarship

The David Edward Mundell Scholarship of $50.00, awarded to the student making the highest aggregate marks in the Surgical Applied Anatomy final examinations of the fifth and sixth years.

### Faculty Scholarship

A Faculty Scholarship of $50 awarded to the student making the highest number of marks in the examinations of the fifth year.

### The James Prize

A Prize of $20.00 in gold given by Dr. James of Mattawa for the best examination in final year Medicine and Clinical Medicine.

### University Medals

A University Medal awarded to the student making the highest number of marks in the examinations of the sixth year in Clinical Medicine, Pathology, Preventive Medicine, Psychiatry, and Jurisprudence.

A University Medal awarded to the student making the highest number of marks in the examinations of the sixth year in Clinical Surgery, Obstetrics, Gynaecology, Applied Anatomy, and Eye, Ear, Nose and Throat.

### Hospital Appointments

Three Interneships at the Kingston General Hospital, of twelve months each are awarded to students of the graduating class. These appointments must be approved by the Board of Governors of the Kingston General Hospital. Applications for these appointments must be made to the Secretary of the Faculty not later than March 15th in each year.

Two Clinical Assistantships are available on the staff of the Rockwood Hospital for the Insane during the summer. Applications must be made to the Superintendent, by whom the appointments are determined. Emphasis is laid on the special qualifications necessary for such work.

### Teaching Fellowships

Three teaching Fellowships, each of the value of $100 per month, in Anatomy, Pharmacology and Physiology, and Pathology and Bacteriology. These are open to members of the graduating class and are awarded upon

the general record of the applicants and, if necessary, a competitive examination. Applications must be made to the Secretary of the Faculty not later than March 15th in each year.

### Exhibition of 1851—Science Research Scholarship

This scholarship of the annual value of £250 stg., is awarded by Her Majesty's Commissioners for the Exhibition of 1851 to students who have given evidence of capacity for original research, and are under 26 years of age. A given number of scholarships are awarded annually to students in Canada, recommended by the universities approved by the Commissioners.

The nominee must be a British subject, must have been a *bona fide* student of science for three years, must have been a student of the University for a full year immediately before his nomination, must be a student of the University at the time of his nomination, and must pledge himself not to hold any position of emolument whilst holding the scholarship without special permission from the Commissioners. He is recommended to the Commissioners by the Senate of the University. The scholarship will be tenable ordinarily for two years, and in cases of exceptional merit, for three years. The scholar will in the absence of special circumstances be required to proceed to a country other than that in which he received his scientific training and there pursue some investigation likely to promote technical industries or scientific culture. The particular investigation the student proposes to pursue must be stated before a scholarship can be awarded.

### The George Christian Hoffman Fellowships

The Alpha Fellowship for Pathological Research of $1,000 and the Beta Fellowship for extended studies in Surgery of $750 awarded to recent graduates nominated by the Faculty and approved by the Senate of the University. The awards will be determined by the undergraduate record of the candidates and upon evidence of capacity for original research. Applications for these Fellowships should be made to the Secretary of the Faculty not later than the first of March in each year.

The holders of the Fellowships shall proceed to some Institution or University in Europe or the United States of America, approved by the Senate of the University, where post-graduate study and research may most advantageously be pursued. The Fellowships may be tenable for a second or even a third year, upon the recommendation of the Faculty.

The George Christian Hoffman Fellowships have been awarded as follows:

In Pathology:--1919, Clifford D. Gallagher, M.B. (1916), M.D., C.M. (1921).
1921, Theo. J. Curphy, M.D., C.M. (1921).
1923, Wm. Susman, B.A., M.D., C.M. (1923).

In Surgery:—1921, Lyon H. Appleby, M.D., C.M. (1919).
1922, Calvert M. Carruthers, M.D., C.M. (1921).
1923, C. Merlin Eynon, M.D., C.M. (1922).
1924, Arnold R. Richards, M.D., C.M. (1923).

# REQUIREMENTS FOR LICENSE

Kingston is a centre for the Examinations of the Medical Council of Canada, and also for those of the College of Physicians and Surgeons of Ontario. Graduates who propose to take the examinations of these licensing bodies, are able to do so immediately after the examinations of the University. The written examinations are held in one of the University buildings, and the clinical examinations in the General Hospital.

## Dominion of Canada

A University Degree does not give the right to practise the profession of Medicine. It is also necessary to conform with the laws pertaining to the practice of Medicine in the province, state or country in which it is proposed to begin practice. The Medical Council of Canada issues a diploma which is accepted for registration in any province of the Dominion.

In order to qualify for the examinations of the Canada Medical Council, the candidate must hold the license of a Provincial Board, or present a certificate from the Registrar of a Provincial Medical Council that he holds a medical degree from an approved Medical College. Students are advised to secure this qualification in preference to one from any provincial council. The announcement of the Medical Council of Canada may be obtained from Dr. R. W. Powell, Registrar, 180 Cooper Street, Ottawa.

Each province in Canada has a special standard of medical education and special requirements for license. Detailed information as to qualifications for the practice of Medicine in the various provinces may be obtained from the Provincial Registrars as follows:

*Alberta*: Dr. G. R. Johnson, Calgary.
*British Columbia*: Dr. A. P. Proctor, 515 Board of Trade Bldg., Vancouver.
*Manitoba*: Dr. J. E. Coulter, 604 Boyd Building, Winnipeg.
*New Brunswick*: Dr. John S. Bentley, 138 Charlotte St., St. John.
*Newfoundland*: Dr. T. Mitchell, St. John's.
*Nova Scotia*: Dr. W. H. Hattie, Provincial Health Department, Halifax.
*Ontario*: Dr. H. Wilberforce Aikins, 170 University Ave.,Toronto.
*Prince Edward Island*: Dr. James Warburton, Kent St, Charlottetown.
*Quebec*: Dr. Joseph Gauvreau, Dandurand Building, Montreal.
*Saskatchewan*: Dr. A. M. Young, Saskatoon.

## Great Britain and Ireland

The General Council of Medical Education and Registration has general supervision over the various licensing and examining Boards and keeps the Medical Register. Registration on the British, Colonial or Foreign List of the Medical Register of the United Kingdom entitles to registration without passing an examination in any part of the British Dominions, excepting British Columbia, and possibly Saskatchewan and New Brunswick. The main licensing and examining bodies recognized in Great Britain apart from the universities are as follows:—

In England—The Conjoint Board of the Royal College of Surgeons of England and Royal College of Physicians of London, and the Apothecaries Society of London. Information can be obtained from the Secretary of the English Conjoint Board, 8-11, Queen Square, Bloomsbury, London, W.C. 1, and the clerk of the Society of Apothecaries, Water Lane, Blackfriars, E.C. 4.

In Ireland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Ireland, and the Apothecaries' Hall of Ireland. Information can be obtained from the Secretary of the Irish Conjoint Board, Royal College of Surgeons, Dublin, and the Registrar, Apothecaries' Hall of Ireland, 93, Merrion Square, Dublin.

In Scotland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Edinburgh and the Royal Faculty of Physicians and Surgeons of Glasgow. Information can be obtained from the Secretary of the Scottish Conjoint Board, 49, Lauriston Place, Edinburgh.

Certificates of Queen's University Medical Faculty are accepted by these Boards, so that those possessing the degree of M.D. from Queen's University are entitled to all the privileges in Great Britain that are accorded to students and graduates of other Colonial Colleges and Universities.

## United States

The Journal of the American Medical Association publishes an Abstract of the Laws regulating the Practice of Medicine in the various States and Territories of the United States. The price of the pamphlet is 50c., and it may be obtained by addressing the American Medical Association, 535 North Dearborn Street, Chicago, Ill.

# COURSES OF INSTRUCTION

## ANATOMY

## A

### Descriptive and Practical Anatomy

*Professor* - - D. C. Matheson, M.B.
*Fellow* - - - H. S. Angrove, M.D., C.M.
*Fellow* - - - F. J. O'Connor, M.D., C.M.
*Demonstrator*—J. E. Kane, M.D., C.M.

#### Second Year

(*a*) The study of the bones and the dissection of the upper extremity.

(*b*) The bones of the trunk and dissection of the thorax.

(*c*) The bones of the head and dissection of the head and neck.

(*d*) Class review and demonstration on the parts dissected, conducted twice weekly.

(*e*) In addition to the above, an elementary course of lectures on the Systematic Anatomy of the body as a whole.

#### Third Year

(*a*) The study of the bones and the dissection of the lower extremity.

(*b*) The dissection of the abdomen and pelvis.

(*c*) The dissection of the brain.

(*d*) Class review and demonstration on the parts dissected conducted twice weekly.

(*e*) A review of the work of the second year.

Students must dissect the whole of the human body during the course. Preliminary and final oral examinations are required from each student, on each part dissected, and no certificate is given unless the examinations are satisfactory. Besides these, mid-sessional written examinations are held in December, and final written examinations at the close of the spring term. Students must complete the dissection and pass all oral examinations before being allowed to proceed with the final written examinations.

Bones of the head, trunk and upper extremity are loaned to second year students and bones of the lower extremity to third year students, and special lecture demonstrations are given in connection with the study of the bones.

Lectures and demonstrations are illustrated by museum specimens, dissected preparations, cross sections, plates, photographs, drawings, etc. A very complete projection apparatus, greatly facilitates class demonstration.

The dissecting room is open from 9 a.m. to 5 p.m., and during the hours for dissection the professor and demonstrators are in constant attendance guiding and assisting the work of the students. One entire flat of the Medical Building is devoted to anatomical purposes. The dissecting room is large, well lighted and thoroughly ventilated. A good supply of the best dissecting material, prepared in the most approved manner, is constantly on hand for the use of the students.

Arrangements may be made by graduates and others for the use of the dissecting room and for material for special study.

Dissecting-room guide:—Cunningham: *Manual of Practical Anatomy.*

### Text-books and Books of Reference

Gray, Cunningham, Piersol, Morris, Buchanan, Heisler. Walmsley: *Practical Anatomy.* Ranson: *Anatomy of the Nervous System.* Sobotta-McMurrich: *Atlas and Text-book of Human Anatomy.* Spalteholz: *Hand Atlas of Human Anatomy.* Eycleshymer and Schoemaker: *A Cross-section Anatomy.*

## B

### Medical and Surgical Anatomy

*Professor* - - - L. J. Austin, M.Ch., F.R.C.S.Eng.
*Assistant Professor*—S. J. Keyes, M.D., C.M.
*Assistant Professor*—J. F. Sparks, B.A., M.D., C.M.

The students are taught to make practical use of the facts of anatomy, and the application of these to medical and surgical practice is shown. Attention is directed to the manner in which the anatomy affects the course and progress of disease, and to the alteration in the anatomical relations in disease. Special attention is given to displacements in fractures and dislocations, topographical anatomy, and ligature of arteries.

### Approved Text Books

Davis, Treves and Keith, Beesly and Johnson, Campbell. Rawling: *Landmarks and Surface Markings.*

## BACTERIOLOGY

*Professor*—Guilford B. Reed, M.A., B.Sc., Ph. D.
*Lecturer*—John H. Orr, M.D., C.M.

### Third Year

1. *General and Pathogenic Bacteriology.* This course covers the general principles of bacteriology. The lectures deal with the structure and physiology of bacteria, the theories of infection and immunity and a systematic study of the pathogenic bacteria. Laboratory practice includes the preparation of culture media and the biochemical, cultural and microscopic study of bacteria. The principal pathogenic bacteria are isolated from hospital material.

Professor Reed and Dr. Orr

Text-book:—Hiss and Zinsser: *Text Book of Bacteriology.*

### Fourth Year

2. *Immunology and Clinical Bacteriology.* The work of this course consists of a systematic examination of the principles of infection and immunity, the production of immune bodies and immune reactions. This will be supplemented by a detailed bacteriological study of selected cases. Laboratory work, prescribed reading and reports. Four hours per week until the end of March.

3. *Parasitology.* A laboratory study of the principal lower animal parasites. Four hours per week for six weeks, April and May.

Professor Reed and Dr. Orr

Text-books:—Hiss and Zinsser: *Text Book of Bacteriology.* Karsner and Ecker: *The Principles of Immunology.*

### Elective Courses

4. *Bacteriology and Mycology of Water and Foods.*

A study of decay and fermentation processes in various kinds of foods, including milk and dairy products, and the distribution of pathogenic organisms in foods, water and sewage.

Lectures, reading and laboratory practice.

Professor Reed

5. *Research.* Properly qualified students who wish to make a special study of Bacteriology are admitted to the laboratory to undertake special problems. This work may be carried out during the session or in the summer, or both.

Professor Reed and Dr. Orr

## BIOLOGY

*Professor* - - - W T. MacClement, M.A., D.Sc.
*Assistant Professor*—R. O. Earl, B.A., M.Sc.
*Lecturer* - - - C. A. E. Hensley, B.A.

### First Year

*General Biology*—A course of three lectures and six hours of laboratory work per week through the session.

*First Term*: An elementary study of the morphology and physiology of the unicellular plants and animals, the larger algae, the fungi, sponges, coelenterates, mosses, ferns, and seed plants. Types of the chief plant diseases. Food manufacture, digestion, transference and utilization in plants and simple animals. Reproduction, asexual and sexual, alternation of generations. The nature and responses of protoplasm, and the formation of new cells.

*Second Term*: The dissection and study of worms, mollusks, arthropods, fishes, amphibians and birds. A special study of the anatomy and physiology of a mammal. The origins of the protective, digestive, locomotory and circulatory systems. Heredity, eugenics and evolution. The principles of taxonomy, and the identification of the poisonous and medicinal plants of Canada.

A laboratory fee of $5 and a deposit of $5.00 are required in the course in biology and must be paid with the sessional fee. Each student has the use of a microscope and is provided with the necessary materials.

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## CHEMISTRY

*Professor of Biological Chemistry*—A. P. Lothrop, M.A., Ph.D.
*Lecturer in General Chemistry*— R. L. Dorrance, M.A.
*Assistant in Organic Chemistry*— C. Y. Hopkins, B.A.

All lecture and laboratory classes in Chemistry are conducted in Gordon Hall.

Monthly examinations are held throughout the session and the standing of the student is determined by the results of these examinations and by the character of his laboratory work, as well as by the grade obtained at the annual examination.

No student is admitted to the annual examination who has failed to attain a certain standard in the laboratory exercises.

A laboratory deposit of $10 for each course is required to cover breakage of apparatus and damage to laboratory property and must be paid to the Treasurer of the University before a locker will be assigned.

### First Year

1. *General Chemistry and Analysis.*

(*a*) A course of three lectures per week on the fundamental laws and theories of these two subjects. This course includes a description of the common elements and compounds and a discussion of elementary physical chemistry and of elementary qualitative analysis. The lectures are illustrated by demonstrations and laboratory exercises.

(*b*) A course of six hours per week of laboratory exercises in General Chemistry and Analysis. These exercises aim to train the student in laboratory technique, in learning the properties of the elements and their common compounds, and in the detection of the positive and negative radicals of all the common salts. Volumetric analysis is also included in the course.

Text-books:—Kendall, *Smith's College Chemistry* and *A Laboratory Outline of Smith's College Chemistry.* Newth, *A Smaller Chemical Analysis.*

Collegiate chemistry with laboratory exercises should precede this course.

The course in Chemistry A 1 (Arts Calendar) will not be accepted as equivalent to the first year medical chemistry unless offered in conjunction with the course in qualitative analysis, A 2.

### Second Year

2. *Organic Chemistry.*

The principles of organic chemistry, essential as a foundation for an understanding of physiological chemistry, are discussed. Typical organic compounds are prepared in the laboratory and the properties and reactions of the more important classes of organic compounds of both the methane and benzene series are studied in detail.

Text-books:—Remsen and Orndorff: *Organic Chemistry.*

### Third Year

3. *Physiological Chemistry.*

The course includes a detailed study of the properties of the carbohydrates, lipoids and proteins and of the chemical processes involved

in respiration, secretion, digestion, absorption, metabolism and excretion and the chemistry of the tissues. The composition of foods and the elements of the science of nutrition are also discussed.

Text-books:—Mathews: *Physiological Chemistry.*
Hawk: *Practical Physiological Chemistry.*

### Fifth Year

4. *Pathological Chemistry.*

A course of one lecture a week on the chemistry of pathological processes.

Reference books:—Hewlett: *Pathological Physiology of Internal Diseases.* Wells: *Chemical Pathology.*

### Books of Reference

Mellor: *Modern Inorganic Chemistry.* Treadwell: *Qualitative Analysis.* Steiglitz: *Chemical Analysis,* Vols. I and II. Sutton: *Volumetric Analysis.* Norris: *Principles of Organic Chemistry.* Bancroft: *Applied Colloid Chemistry.* Hammarsten: *A Text-book of Physiological Chemistry.* Robertson: *Principles of Bio-chemistry.* Macleod: *Physiology and Biochemistry in Modern Medicine.* Lusk: *The Science of Nutrition.* Sherman: *The Chemistry of Food and Nutrition.* Sherman and Smith: *The Vitamines.* Monographs on Biochemistry.

## EYE, EAR, NOSE AND THROAT

*Professor—* J. C. Connell, M.A., M.D.
*Lecturer—* F. A. Cays, M.D., C.M.
*Clinical Assistant*—H. C. Connell, B.A., M.D., C.M.

The course consists of lectures, clinics and demonstrations throughout the fifth and sixth years. Practical lessons in the use of the ophthalmoscope and laryngoscope are given to the classes in sections.

### Books of Reference.

Swanzy. Fuchs, Gleason, St. Clair Thompson.

## GYNAECOLOGY

*Professor—* G. W. Mylks, M.D., C.M.
*Clinical Assistant*—M. J. Morison, M.D., C.M.

### Fifth Year

The course includes methods of pelvic examination, the disorders of menstruation, diseases of the female generative organs, injuries to the pelvic floor, urinary bladder and rectum, malformations and displacements of the uterus, extra-uterine pregnancy and benign and malignant growths affecting the female genitalia.

At the Hospital, demonstrations are given in operative technique, post-operative treatment and instruments used in gynaecologic cases, also in the application of pessaries and such local treatments as douches, tamponade, etc. The various pelvic and vaginal operations are performed before sections of the class.

### Sixth Year

The work of the sixth year is taken up in the hospitals and is largely clinical and operative, including special methods of examination such as cystoscopy, etc. Special attention is given to the pathology of pelvic growths.

### Books of Reference

Eden and Lockyer, Herman, Eden, Anspach, Graves, Crossen, Kelly.

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## HISTORY

*Professor of History and Douglas Professor of Colonial History*—Duncan McArthur, M.A., F.R.S.C.

*History* 3. *Colonial History.*

Lectures will be given on the general course of Colonial Development down to 1783. These will treat of the trade routes of the Old World; the voyages of discovery; the growth of theories of colonization; Spain, France, and England in America, and the reaction of the new world upon the old; the Old Colonial system and its breakdown after the Seven Years' War; the American Revolution. Some of the more significant phases of the history of Canada to 1841 will be discussed.

Cheyney: *European Background of American History.* Bourne: *Spain in America.* Becker: *Beginnings of the American People.* Lucas: *New France.* Grant: *History of Canada.*

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## HISTORY OF MEDICINE

Dr. J. C. Connell

### Sixth Year

A course of thirty lectures, covering the history and development of the art and science of medicine from the mythological period of Aesculapius to the present time. Selections are read from the writings of Hippocrates, Galen, Paracelsus, Vesalius, Harvey, Sydenham, Willis, Hunter, Jenner, Pasteur, Lister and others.

## MEDICAL JURISPRUDENCE

*Lecturer*—R. J. Gardiner, M.D., C.M., F.A.C.S.
*Lecturer*—T. J. Rigney, B.A., K.C.

### Sixth Year

The course in Jurisprudence includes the following: legal criminal procedure; Coroner's court; medical evidence, identity; modes of dying; sudden death, signs of death; homicide, suicide; wounds, burns and scalds; fractures and dislocations; suffocation, hanging and strangling; drowning; death from starvation, cold and heat, lightning and electricity; marriage and divorce; offences against chastity; pregnancy and delivery; criminal abortion; infanticide, live birth, causes of death to the foetus; legitimacy, impotence, sterility; malingering and feigned diseases; survivorship, life assurance, wills; malpractice; Workmen's Compensation Act.

### Books of Reference

Reese, Taylor, Hamilton, Witthaus and Becker, Peterson, Haines and Webster, Glaister, Draper, Boys. Johnson.

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## MEDICINE AND CLINICAL MEDICINE

*Professor* - - - W. T. Connel, M.D.
*Associate Professor*—E. C. D. MacCallum, M.D.
*Associate Professor*—Wm. Gibson, M.D.
*Lecturer* - - - B. H. Hopkins, M.B.
*Clinical Assistant* - J. P. Quigley, M.A., M.D.
*Clinical Assistant* - W. A. Jones, M.D.
*Clinical Assistant* - J. R. Third, B.A., M.D.
*Clinical Assistant* - C. H. Elliott, M.D.
*Clinical Assistant* - P. M. Macdonell, B.A., M.D.

### Fourth Year

The course covers the methods of examination of patients, including the principles and methods of physical diagnosis and the taking of case records. Four hours per week are spent on this work.

In the Pathological Laboratory a course of three hours per week is given in clinical laboratory methods which includes the examination of urine, blood, gastric contents, feces, exudates and transudates.

The examinations are conducted jointly by the departments of Medicine and Pathology and cover the work of both classes.

### Fifth Year

The work of the fifth year is mainly clinical. Students are assigned as clinical clerks and under the supervision of the house physician are responsible for the preparation and recording of case histories, including the necessary physical and laboratory examinations. The class is divided into sections for ward teaching under special instructors and each section must spend three two-hour periods per week in this work.

A review of the main systemic diseases, their etiology, course, symptoms and diagnosis is also carried on during the session.

### Sixth Year

Work during this year is entirely clinical. Each member of the class will be required to serve a term as a junior interne and be responsible under the House Physician for the supervision and records of patients under his charge.

Clinical teaching will be carried on by Instructors as per time-table.

### Text-Books

Clinical Methods: Cabot, Foster, Rose.
Practice of Medicine: Osler and McCrae; Stevens; Monro.
Skin Diseases: Campbell, Morris, Walker, Schamberg, McKenna, Sutton, Sequeria, Hartzell.
Nervous Diseases: Purves Stewart, Church and Peterson, Campbell-Thomson.
Heart Diseases: MacKenzie, Price, Reid, Calvin Smith.
Therapy: Osborne, Sorapure, Rudolf, De Costa, Hutchison and Sherren, Dutton (*Intravenous Therapy*).

### Reference Books

French, "Differential Diagnosis"; Morris, "Dictionary of Practical Medicine"; Wilson, "Internal Medicine"; Ker, "Infectious Diseases"; Rolleston, "Infectious Diseases"; Norris and Landis, "Diseases of the Chest"; Craig, "Diseases of Middle Life"; Savill, "Clinical Medicine."

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## OBSTETRICS

*Professor* - - - A. R. B. Williamson, M.A., M.D.
*Clinical Assistants*—M. J. Morrison, M.D., F. J. O'Connor, M.D.

### Fifth Year

For fifth year students the course in Obstetrics includes the anatomy of the pelvis; anatomy, anatomical relations and physiology of the organs of generation; menstruation, ovulation and conception; development of

the embryo, fœtus and fœtal appendages; the diagnosis of pregnancy, phenomena and management of normal labor; management of the mother and infant during the puerperal period; mechanism and management of labor for the several presentations and positions; twin pregnancy and labor.

### Sixth Year

In the sixth year the pathology of pregnancy, parturition and the puerperium is taken up. Under this heading are considered the diseases of the membranes and placenta; the diseases and disorders of pregnancy; the effects of certain diseases on pregnancy and parturition; dystocias resulting from deformed pelvis, faulty mechanism, mal-presentations and positions; ante partum and post partum hemorrhage; diseases incident to the puerperium; and obstetric surgery. The lectures are illustrated by the artificial pelvis, drawings and models. The class is admitted to the practice of the maternity wards of the Hospital and Hotel Dieu, where practical instruction is given in the management and care of such cases.

### Books of Reference

Williams; Berkeley, Andrews and Fairbairn; Hirst, Eden, Galabin and Blacker, De Lee, Shear.

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## PATHOLOGY

*Professor*— James Miller, M.D., D.Sc., F.R.C.P. Ed., F.R.S.C.
*Lecturer in Pathology*—W. D. Hay, M.A., M.D.

### Fourth Year

1. *General Pathology.* Students of the fourth year attend a course of lectures and demonstrations in General Pathology covering three hours per week. Two hours per week are spent in the laboratory studying microscopic preparations illustrating the matter discussed in the lectures.

2. *Clinical Microscopy.* Three hours per week are spent in chemical and microscopical examination of urine, blood, gastric contents, feces, exudates, transudates and animal parasites.

### Fifth Year

3. *Pathology and Morbid Anatomy.* Students of the fifth year attend a series of lectures and demonstrations in Pathology and Morbid Anatomy occupying four hours per week during the session. Two hours are devoted to lectures and two to practical work, mainly microscopic in character.

Each student when assigned to cases in the hospital wards is required to make the microscopical and chemical examinations necessitated by the case. Assistance in these examinations will be given by the members of the Department of Pathology on request.

Students in rotation assist in making autopsies and are required to furnish during the course of the fifth and sixth years reports on at least ten cases, including in these reports the clinical history, morbid anatomy and histology and pathology of the case, along with a critical review of the pathogenesis and the causes of death. Five of the ten cases must be handed in during the fifth year and of these five two must be completed before the Christmas vacation. These cases will be marked and annotated by the members of the medical, surgical and pathological staffs, and the marks obtained recorded. No student will be allowed to complete his course who has not obtained at least 50% of marks over the whole series.

### Sixth Year

4. A course of lectures and practical work, three hours per week in Serology is given during the Session. In addition to this work the cases taken up at the Clinical Conference each week are studied as regards their morbid anatomical and histological details.

*Clinico-pathological Conferences.* — Conferences on medical and surgical cases in their clinical, pathological and bacteriological aspects are held each Saturday morning throughout the session. These are open to students of the fifth and sixth years. The cases brought up at these conferences form the basis of the reports mentioned above.

A laboratory fee of $10 per session is required in all courses in pathology and must be paid with the sessional fee. The fee includes the exclusive use of a microscope, the necessary pathological slides and other accessory materials.

### Approved Textbooks

Pathology:—Delafield and Prudden, MacCallum, Hewlett, Beattie and Dickson, Miller, Green, Muir.

Pathological Histology:—Mallory, Woodhead, Leighton.
Pathological and Bacteriological Technique:—Mallory and Wright.
Clinical Microscopy—Wood, Stitt, Emerson, Simon, Todd, Hawk.
Serology:—Karsner and Ecker, Zinsser, Kolmer.

## PEDIATRICS

*Professor of Pediatrics*—R. R. MacGregor, M.D.

### Fifth Year

The course includes the general care and management of infants, clinical investigation of diseases in infants, injuries and diseases of the newly born, infant feeding, derangements of nutrition, diseases due to faulty nutrition, diseases of the digestive system, respiratory diseases, acute infectious diseases, and practical demonstrations of the preparation of infant foods.

### Sixth Year

Clinics

Text-books: Holt, Grulee.

### Books of Reference

Still, Hutchison, Griffith, Thompson, Dennett, Talbot and Morse, Porter and Carter, Feer.

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## PHARMACOLOGY, MATERIA MEDICA, PHARMACY AND THERAPEUTICS

*Douglas Professor of Therapeutics*—Thomas Gibson, M.A., M.B., C.M., Edin.

The lecture course deals most of all with the dynamic action of drugs upon the various parts of the body. An effort is made to exemplify these effects by citation of cases observed in medical practice. The value of endocrines in treatment, according to present knowledge, is discussed. Forms of administering drugs are illustrated throughout the course by the writing and discussion of prescriptions.

At the end of the course some systematic lectures are given upon pharmaceutical methods of preparing drugs for use, pharmacal methods of compounding, and incompatibilities.

In the experimental course, the actions of typical drugs are observed upon the living tissues of frogs, guinea pigs, rabbits and cats. The experiments upon mammals are performed by the professor, before each section of the class, as demonstrations. The last few weeks of the course are devoted to practical work in pharmacy.

The Professor of Pharmacology and Therapeutics lectures once a week to fifth year students, taking up the treatment of certain medical diseases. Stress is laid upon the general care of the sick and the use of

drugs in view of their pharmacological value. An effort will be made to avoid overlapping of instruction by arrangement with the professor of clinical medicine and those who assist him.

Relevant monographs or articles in systems are referred to as occasion arises.

Books of Reference

Pharmacology:—Dixon, Cushny, Sollman.
Materia Medica and Therapeutics:—Bruce and Dilling.
Practical Pharmacology:—Dixon.

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## PHYSICS

*Professor* - - - A. L. Clark, M.A., Ph.D., F.R.S.C.
*Associate Professor*—J. K. Robertson, M.A.
*Lecturer* - - - W. V. Ball, B.A.Sc.
*Assistant* - - - D. O. Robinson, B.Sc.

### First Year

1. *Elementary Physics.*

(*a*) A course of three lectures per week throughout the year on properties of matter, heat, sound and light. Numerous applications to phenomena of special interest to medical students are discussed.

(*b*) Two hours per week in the laboratory.
Text-book: Kimball: *College Physics.*

### Second Year

2. *Electricity and Magnetism, Conduction of Electricity through Gases, Roentgen Rays and Radioactivity.*

(*a*) A course of two lectures per week in which a thorough elementary treatment of the above subjects is given. In the latter half of the course the lectures are designed to familiarize the student with modern X-ray equipment and its operation, as well as with the physical nature of radiations of therapeutic value.

(*b*) Laboratory—two hours per week.

Text-books: Kimball: *College Physics.* Robertson: *X-Rays and X-Ray Apparatus.*

## PHYSIOLOGY

*Professor* - - - - - G. SPENCER MELVIN, M.D.
*Lecturer in Embryology*—G. H. ETTINGER, B.A., M.D.
*Fellow*—

### SECOND YEAR

1. *Histology.* The earlier part of the course consists of a detailed study of the principal tissues of the body. Preparations of these are made and examined in the fresh condition and in mounted specimens. This is followed by a study of the structure of the organs of the body. In the laboratory the student is trained in the technique of the different methods of making microscopic preparations and each student must cut, stain and mount a number of sections from fresh material. For this work the class is divided into small sections which work under the immediate supervision of the staff at hours to be arranged.

A complete collection of mounted slides is supplied.

Text-books:—Jordan: *Histology.*
Schafer: *Essentials of Histology.*

A laboratory fee of $10 is required in the course in Histology and must be paid with the sessional fee. The fee includes the exclusive use of a microscope, the necessary slides and other accessory materials. The slides are non-returnable and become the property of the student.

2. *Embryology.* The course consists of one lecture period and two hours' laboratory work per week on the embryology of the chick and pig.

A deposit of $1.00 is required to make good breakage of preparations supplied for work in class.

Text-books—Lillie and Moore: *A Laboratory Outline of Embryology.*

Arey: *Developmental Anatomy.*

### THIRD YEAR

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, nervous system, circulation and respiration, digestion, excretion, secretion, etc. Mammalian demonstrations are given.

Text-book:—Schafer: *Experimental Physiology.*

A fee of $1.00 and a deposit of $2.00 are required in this course. The fee covers wear and tear of apparatus; the deposit is returnable less an amount deducted to cover breakage.

4. *Physiology.* The subject is treated systematically and is supplemented by demonstrations and by the work in the experimental class. Special emphasis is laid on the application of Physiology to clinical study.

Text-books:—Halliburton: *Handbook of Physiology.*
Howell: *Text-book.*
MacLeod: *Physiology and Biochemistry in Modern Medicine.*

5. *Histology.* The class meets in small sections for review, and tutorial instruction is given in special methods of microscopic technique.

### Optional Course

6. *Research in Physiology.* Properly qualified students are admitted to the laboratory for post-graduate study and special research.

### Books of Reference

Howell, Stewart, Tigerstedt, Starling, Schafer, Luciani, Bayliss, Porter, Sherrington. Quain: *Microscopic Anatomy.* Schafer: *The Endocrine Organs.* Cannon: *Mechanical Factors of Digestion.* Pavlov *Work of the Digestive Glands.* Sherrington: *Integrative Action of the Nervous System.* Quain: *Embryology.* Vincent: *Internal Secretions and the Ductless Glands.* Lillie: *Development of the Chick.* Bailey and Miller: *Text-book of Embryology.* McMurrich: *Development of the Human Body.* Keith: *Human Embryology and Morphology.* Kellicott: *Elements of Chordate Development.* Keibel and Mall: *Embryology.* Gray's *Anatomy, Section on Embryology.* Marshall: *Physiology of Reproduction.*

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## POLITICAL AND ECONOMIC SCIENCE

*Professor*—W. A. Mackintosh, M.A., Ph.D.

*Economics* 1. *Introduction to Economics.*

A general discussion of the principles governing the production, consumption, exchange and distribution of wealth, and the application of economic principles to such concrete problems as money, banking, taxation, trusts, the tariff, and the labor movement.

Taussig: *Principles of Economics. Bulletins in Economics,* furnished through the Department.

*Economics* 2. *Introduction to Politics.*

An approach to the study of the state, its origin, form and activities, and a study of the working of governments, particularly those of the United Kingdom, United States and Canada.

Leacock: *Elements of Political Science. Assigned Readings.*

## PREVENTIVE MEDICINE

*Professor*—A. R. B. Williamson, M.A., M.D.
*Lectuerr*—C. W. Bennett, M.D.

### Sixth Year

The lectures are taken during the sixth year, and include the subjects of food, water, air and ventilation, sewage disposal, dwellings, hospitals, climate and soil in their relation to the public health. The nature, methods of spread and means of prevention of the infective diseases are also considered, including isolation, disinfection, quarantine, preventive inoculation and serum therapy. Vital statistics and the laws governing control of public health are discussed. Attention is also directed to the application of sanitation to barracks, camps and armies in the field.

### Books of Reference

Park: *Public Health and Hygiene.* Bergey: *Principles of Hygiene.* Rosenau: *Preventive Medicine and Hygiene.* Fitzgerald: *Introduction to the Practice of Preventive Medicine.*

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## PSYCHIATRY

*Professor* - - - Edward Ryan, B.A., M.D.
*Clinical Assistant*—

### Sixth Year

A study of Psycho-pathology, including lectures on disturbances of apprehension, attention, memory, judgment, ideation, and of the train of thought, and a discussion of hallucinations and delusions.

Lectures are given on the psychoses and neuro-psychoses, which are fully illustrated and carefully studied in the wards and laboratories of the hospital. The course is made as clinical and as practical as possible. Instructions in the various intelligence tests are also given and laboratory work is an important feature of the course.

Students who desire to follow the practice of Psychiatry after graduation, either in institutional or in private practice, are granted special privileges for honor work in this subject.

## PSYCHOLOGY

*Professor of Philosophy*—GEORGE HUMPHREY, *M.A., Oxon, Ph.D.* Harvard

1. *Introduction to Psychology.*

This course develops in broad outline the conception of the conscious organism acting in relation to the outside world. As far as possible, it is taught clinically, the discussion being based upon patients brought from the Rockwood Hospital. It or its equivalent is an essential preliminary for the psychiatry course.

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## SURGERY

*Professor*— L. J. AUSTIN, M.Ch., F.R.C.S.
*Associate Professor*—E. RYAN, B.A., M.D.
*Associate Professor*—F. ETHERINGTON, M.D.
*Associate Professor*—I. G. BOGART, M.D.
*Assistant Professor*—J. F. SPARKS, B.A., M.D.
*Assistant Professor*—R. J. GARDINER, M.D.
*Assistant Professor*—S. J. KEYES, M.D.

### FOURTH YEAR

The student is first brought in contact with hospital cases in the fourth year.

### FIFTH YEAR

In the fifth year clinics are held at the General Hospital, Hotel Dieu and Rockwood Hospital and the work of this year is almost entirely clinical. Special instruction is also given in operative work in which the students assist in rotation and a few lectures are delivered on systematic surgery.

### SIXTH YEAR

The sixth year is devoted chiefly to clinical surgery.

Special courses are also given at the General Hospital in the use of the cystoscope and ureteral catheterization by Dr. Austin and in anesthesia by Dr. Keyes.

Clinics are held at the Kingston General Hospital, Rockwood Hospital and Hotel Dieu. In addition every possible opportunity is afforded the student throughout the session to attend operations performed by the members of the staff at the different hospitals, a limited number of the students being permitted to view the operation from the floor.

### APPROVED TEXT-BOOKS

Rose and Carless, Russell Howard, Thompson, and Miles. Whitman: *Orthopedic Surgery.* Pye: *Surgical Handicraft.* Scudder: *Fractures.* Wilson Cochrane: *Fractures.* Bach: *Crippled Hand. Horsley*: *Operative Surgery.* Choyce: *System of Surgery.* Bickham: *Surgery* (6 *vols.*)

# DEGREES CONFERRED

## Degrees Conferred at the Annual Convocation
May, 1924

Charles S. Appelbe, B.A.
Jesse K. Bigelow
Dwight S. Bishop
C. Hugh Branigan
Keith G. Burns
D. Ross Campbell
William A. Campbell
Ernest A. Clark
Carl W. Cohoon
Raymond V. Connors, M.B.
William H. Costello
Herbert L. Edwards, B.A.
Jack H. Evans
Thomas W. Faulkner, B.A.
Austin G. Friend
Esley R. Froats
James W. Gallwey
Arthur M. Gee
Wilfrid T. Gratton
George C. Hamilton, B.A.
J. Bonar Hamilton
Thomas A. Hamilton
Donald J. Holdcroft, B.A.
Stuart W. Houston
Harry G. Houze
Elmer A. James
Noel S. Knapp
Wilfred Lalonde
John R. Lee
Laurence H. Leggett
Abraham Lieff, B.A.
B. Wesley MacDonald
Glen R. MacLachlan
Roy M. Maclean
James H. MacMillan
J. Neil MacMurchy
J. Milton Montgomery
John J. McNally, B.A.
James R. P. Nicoll
J. Frank Noonan
James J. O'Reilly, B.A.
W. Harper Perrin
Roy G. Pfotzer, A.C.
Alban G. Phelan
Cecil H. Playfair
Wilson Powell, B.A.
Karl V. Quinn
John F. Richardson, B.A.
James E. Ritchie
Hugh E. Robertson
Horace S. Root
Edward P. Ryan
C. Russell Salsbury
T. Tweed Samis
Paul A. Scott
J. E. Roy Smith
Harold Spenceley, B.A.
Donald H. Stewart
Cecil S. Taber
J. Vincent Trainor
Wallace Troup
W. Roy Waddell
Goldie T. Whitty
Ross Wong

# MEDALISTS AND HOLDERS OF SCHOLARSHIPS

### Medalists in Medicine

1921 W. Gordon Cornett, B.A.
1922 John H. Pilkey
1923 John H. Orr
1924 Charles S. Appelbe, B.A.

### Medalists in Surgery

1921 Calvert M. Carruthers
1922 C. Merlin Eynon
1923 J. McClure Givens, B.A.
1924 C. Russell Salsbury

### The N. F. Dupuis Scholarship

1920 John H. Orr
1921 W. Roy Waddell
1923 Nathan E. Berry
1924 John Mann

### The New York Alumni Association Scholarship

1921 Charles S. Appelbe.
1922 L. Quartus Bliss
1923 Ian E. A. Revelle, B.A.
1924 Richard K. Start

### The Dean Fowler Scholarship

1921 John H. Orr
1922 Charles S. Appelbe, B.A.
1923 Dugald F. MacArthur
1924 Ian E. A. Revelle, B.A.

### The Boak Scholarship

1920 J. McClure Givens, B.A.
1921 George C. Hamilton
1923 Alex. E. W. Ada
1924 Lloyd T. Williamson

### The Robert Bruce Scholarship

1923 W. Roberts Webster
1924 William J. Henderson

### The David Edward Mundell Scholarship

1924 C. Russell Salsbury

### Faculty Scholarships

1922 John H. Orr and C. Everard Lyght.
1923 Donald H. Stewart and John Mann.
1924 Carl. O. Vrooman and L. Quartus Bliss.

# STUDENTS IN ATTENDANCE

## SESSION 1924-1925

### Fifth Year

Archibald J. Abernethy ..... Kingston
Alex. E. W. Ada, B.A. ..... Kingston
W. Ewart G. Bayley ..... Hamilton
Nathan E. Berry ..... Seeley's Bay
William H. Berry ..... Seeley's Bay
W. J. Blackler ..... .. .. ..
L. Quartus Bliss ..... Kingston
T. Erwin Brown ..... Richmond
Herbert C. Burleigh ..... Kingston
James H. Campbell ..... Kingston
Harry G. Carleton, B.A. ..... Roslin
Donald M. Carmichael ..... Peterboro
Kenneth Dawson ..... St. Marys
Clifford W. Duncan ..... Winnipeg, Man.
Arnold Ellenport, B.A. ..... Montreal, Que.
Gordon N. Ellis, B.A. ..... Smith's Falls
W. Stanton FitzPatrick ..... Brockville
H. Beecher Geiger ..... Kingston
R. Stirling Gibson ..... Kingston
Thomas J. Goodison ..... Brockville
Maxwell Gosse, B.A. ..... Spaniard's Bay, Nfld.
J. Roland H. Graham ..... Kingston
J. Allan Howard ..... Ottawa
Robert N. Irwin ..... Kingston
Arthur V. Johnston ..... Kingston
H. Aubrey Jones ..... Victoria, B.C.
Philip R. Kaiser ..... Lansdowne
John Lansbury ..... Wellington
Arthur E. Lewis ..... Victoria, B.C.
C. Everard Lyght ..... Hamilton
Dougald F. MacArthur ..... Corinne, Sask.
James R. McAuley ..... Kingston
H. Gordon McBroom ..... Washburn
George K. McCracken ..... Brockville
John L. McKelvey, B.A. ..... Kingston
Presley A. McLeod, B.A. ..... Kingston
Abie N. Morphy ..... Carleton Place

L. Rogers Morse, B.Sc. ..... Worcester, Mass.
William P. Muirhead ..... Ottawa
W. Alex. Newlands, B.A. ..... Kingston
E. Owen Nunez, B.A. ..... New York, N.Y.
Daniel J. O'Ray ..... Napanee
William P. E. Paterson ..... Westmeath
A. Franklin Rowsom ..... Lyn
P. Bernard Rynard ..... Uxbridge
Emil K. Sauer, B.A. ..... Kennell, Sask.
Ernest A. W. Sheppard ..... Smith's Falls
Oral B. Shillington ..... Blenheim
Ralph M. Tovell, B.A. ..... Sydenham
Harry Warwick, B.A. ..... Montreal, Que.
Herbert N. M. Young ..... Peterboro

### Fourth Year

Robert A. Breckenridge ..... Peterboro
Donald W. Buchanan ..... Neil's Harbor, N.S.
G. Donald W. Cameron ..... Peterboro
George E. Carlin ..... Watertown, N.Y.
Leslie F. Clary ..... Sudbury
John J. Collins ..... Saskatoon, Sask.
Andrew D. Cox ..... Richmond
William E. Cudmore ..... Bronte
J. Stuart Daly ..... Port Haney, B.C.
George W. Danton ..... Orillia
John S. Delahey ..... Kingston
Rourke E. Downey ..... Caledonia
John R. Emery ..... Kingston
Harry E. Faver ..... Newark, N.J.
Francis R. C. Forster ..... Kingston
Irvine E. Gage ..... Paisley
Harold M. Gardiner ..... Seeley's Bay
John J. George ..... Ottawa
Ford M. Goodfellow ..... Westport
John S. Guthrie ..... Ottawa
Earle G. Haliday ..... Lanark
Garnet L. Higgins ..... Brockville
F. Gerald Keyes ..... Gananoque
J. G. Keber Lindsay ..... North Bay
James C. Macfarlane ..... Ottawa
John Mann ..... Sault Ste. Marie
Gilchrist E. Matheson ..... Sudbury
Wilbur Merkley ..... Renown, Sask.

Harold S. McCartney ..... Kingston
Samuel J. McEvoy ..... Ottawa
Harry J. McLeod ..... Kingston
Charles S. McWilliam ..... Picton
Howard S. Mitchell ..... Listowel
Clarence E. Moore ..... Seeley's Bay
W. Desmond Noonan ..... Stanleyville
Charles Quinn ..... Tweed
Ian E. A. Revelle, B.A. ..... Kingston
James E. Ross ..... Airlie Hall, B.W.I.
Clifford F. Smith ..... Odessa
William M. Spear ..... Hamilton
Robert A. Starrs ..... Ottawa
Hugh M. Stephen ..... Kingston
A. Romeyn Stevenson ..... Peterboro
Archie G. Strang ..... Lanark
W. Basil Thompson ..... Gananoque
Lloyd T. Williamson ..... Hamilton
K. Ghim Yip ..... Vancouver, B.C.

### Third Year

Ernest J. Anderson ..... Campbellford
William P. Bartels ..... Kingston
Duncan W. Boucher ..... Chapleau
C. Emerson Brooks ..... Ottawa
Harry K. Board ..... Hamilton
L. Bruce Carruthers ..... Sarnia
Huntley W. Chambers ..... Fenelon Falls
Joseph B. Cramer ..... Westbrook
George D. Denton ..... Cobourg
T. Telmont Dufour ..... Ottawa
George C. Ferguson ..... Bishop's Mills
John W. Forster ..... Kingston
Harold M. Graham ..... Colgate, Sask.
Donald M. Grant ..... Williamstown
Sylvester E. Grimes ..... Ottawa
Gerald E. Grondin ..... Ottawa
Herbert E. Hanna ..... Ottawa
J. Albert Hannah ..... Rouleau, Sask.
Frank M. Higginson ..... Inkerman
Clifford E. Howard ..... Brockville
Fred W. Jeffrey ..... Ottawa
Jack H. Joyner ..... Kemptville
Howard W. Justus ..... Winchester

Cecil W. Kelley ..... Fort William
J. F. Coleman Kelly ..... Sudbury
Ronald H. Kettle ..... Hamilton
Morris Langbort ..... Kingston
J. Ewart A. Lindsay ..... North Bay
H. Grant Mabee ..... Ottawa
R. Donald MacNeill ..... Marysville, N.B.
George V. McDonald ..... Apple Hill
Thomas P. McGowan ..... Cobalt
S. William McIlmoyl ..... Lakefield
Richard W. Mungul ..... Berbice, B. G.
Henry S. Murphy ..... Kingston
Cecil R. Patience ..... Ingersoll
Claud H. Ployart ..... Kamsack, Sask.
Stuart T. Porter ..... Ottawa
Emil Smith ..... Montreal, Que.
Richard K. Start ..... Toronto
George H. Steacy ..... North Augusta
Abraham Susman ..... Kingston
Eldon R. Tiffin ..... Tupperville
John E. Tilden ..... Hamilton
Harry L. Tobin ..... Kemptville
W. Clair Van Allen ..... Mountain
Carl O. Vrooman ..... Sunderland
Norman L. Walker ..... Kingston
W. Roberts Webster ..... Fenelon Falls
J. Collis B. Williams ..... Kingston
Kenneth J. Williams ..... Kingston
Samuel W. Willis ..... North Bay
L. Duane Wilson ..... Brockville

### Second Year

Kenneth E. Bellamy ..... Carleton Place
John P. Bonfield ..... Ottawa
Richard J. Boyce ..... Kingston
Melville G. Boyd ..... Kingston
Kenneth J. W. Bromley ..... Sudbury
Harvey A. Brown ..... Toronto
Garfield E. Claxton ..... Winchester
Wilfred J. Cochrane ..... Newmarket
W. Ford Connell ..... Kingston
John S. Currie ..... Sarnia
William G. S. Davis ..... Blenheim
John H. Dennison ..... Newdale, Man.

James R. Dowling ..... Hamilton
Jack G. Dunlop ..... Tsu, Ise, Japan
Edgerton O. Ebersole ..... Buffalo, N.Y.
Thomas J. Egan ..... Hamilton
Samuel A. Fisher ..... Niagara Falls
Arthur W. Friend ..... Wolfe Island
Gerald A. Gallivan ..... Kingston
H. Jack Gregory ..... St. Marys
Edward Y. Handford ..... Renfrew
Arthur E. Harbeson ..... Cornwall
William A. Heard ..... Markdale
M. Stewart Heddle ..... Caledonia
William J. Henderson ..... Kingston
McLean Houze ..... Lombardy
James B. Hutchison ..... Gorrie
Harry B. Kidd ..... Burritt's Rapids
Donald G. Leatherdale ..... Ridgetown
Clarence H. Lewis ..... Ottawa
A. Bruce MacDonell ..... Lancaster
Edward F. MacIntosh ..... Spencerville
Robert A. MacPherson ..... Niagara Falls
Robert H. McCreary ..... Pakenham
Clifford H. MacNeill ..... Marysville, N.B.
A. Malcolm E. McPherson ..... Prescott
Gordon A. Mellow ..... Bath
J. T. Grant Minnes ..... Kingston
Maurice R. Moore ..... Latta
Gordon W. Mylks ..... Kingston
Thomas F. Rutherford ..... Peterboro
Samuel Ryan ..... Kingston
Hugh McL. Scott ..... Puslinch
T. Harry Seldon ..... Exeter
Archie T. Shannette ..... Williamsburg
John T. Shea ..... Stirling
Carl Smith ..... Kitchener
William J. Snell ..... Durham
Robert M. Stringer ..... Hamilton
Walter A. Thompson ..... Hamilton
Karl H. Trebilcock ..... Hamilton
Fred A. Vokes ..... Nanticoke
Kenneth B. Waller ..... Hamilton
W. Gordon Watt ..... Pembroke
Lloyd E. Watts ..... Bath Road
Charles A. Whitty ..... Kingston

Clifford S. Wilson ..... Humboldt, Sask.
A. E. Lacey Winsor ..... Wesleyville, Nfld.
Samuel H. Winston ..... Kingston

FIRST YEAR

Nolan H. Baird ..... Birch Cliff
Arthur G. Berry ..... Westport
Clarence H. Berry ..... Tillsonburg
Wilfred E. Blair ..... Perth
George A. Blanshard ..... Freeman
Frederick W. Bowers ..... Sulphide
Loftus L. Bryan ..... Lansdowne
Clifford R. Burnfield ..... Milton
William S. Campbell ..... Alliston
Charles A. Cleland ..... South Mountain
James A. Cummins ..... Belleville
Alfred S. Drury ..... Hamilton
William S. Elliott ..... Tweed
William H. English ..... Sunderland, Eng.
Karl J. Haig ..... Hoard's
Michael J. Howard ..... Ottawa
Joseph A. Kearns ..... Quyon, Que.
Ultan F. Kelly ..... Sudbury
Karl A. Kraft ..... Hamilton
Edward H. Lossing ..... Norwich
Evered M. McKay ..... Ottawa
John B. McCarthy ..... Kingston
William D. J. McCarthy ..... Kingston
James A. McCullough ..... Oswego, N.Y.
John J. McGrath ..... Kingston
Ernest A. McKercher ..... Watford
James M. Miller ..... Forester's Falls
William S. Millman ..... Hamilton
Harold O. Morris ..... Kingston
Joseph E. Murphy ..... Kingston
William H. Newman ..... Lindsay
John E. Plunkett ..... Peterborough
James T. Potts ..... Brighton
Haddon R. Rabb ..... Poltimore, Que.
Harry C. Robinson ..... Hamilton
George B. Sexton ..... Strathroy
Manville W. Sloane ..... Sarnia
John G. Stephen ..... Kingston
John G. Stewart ..... Renfrew

Isaac Sutton ..... Hamilton
William W. Wade ..... Brighton
Charles H. A. Walters ..... Belleville
John C. Whyte ..... Kingston
Egerton H. M. Young ..... Peterborough
Ernest M. Young ..... Westboro

SUMMARY

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|---|---|
| Fifth Year | 51 |
| Fourth Year | 47 |
| Third Year | 52 |
| Second Year | 59 |
| First Year | 45 |
| Total | 254 |

## UNIVERSITY PUBLICATIONS

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COURSES IN COMMERCE AND ADMINISTRATION.

CALENDAR OF THE FACULTY OF APPLIED SCIENCE.

CALENDAR OF THE FACULTY OF MEDICINE.

CALENDAR OF QUEEN'S THEOLOGICAL COLLEGE.

ANNOUNCEMENT OF THE SUMMER SCHOOL.

REQUIREMENTS FOR MATRICULATION.

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